

# SANTA BARBARA MUNICIPAL AIRPORT

## SANTA BARBARA, CALIFORNIA

### SOUTHFIELD REDEVELOPMENT

#### PROJECT DESCRIPTION

- DEMOLITION OF HANGAR 5 (10,500 SF)
- DEMOLITION OF 31,400 SF OF PARKING LOT PAVEMENT
- ~31,500 SF OF PERMEABLE CONCRETE PARKING LOT AS SHOWN IN THE PROJECT PLANS.
- ADDITION OF 231 STANDARDS PARKING STALLS, 7 ADA PARKING STALLS, AND 3 VAN ACCESSIBLE PARKING STALLS, LANDSCAPE ISLANDS AND ACCESSIBLE PATH OF TRAVEL IN THE NON-AOA AREA
- ADDITION OF 3 RON (REMAIN-OVER-NIGHT) AIRPLANE PARKING
- ADJUST VSR LOCATION
- RELOCATED SIDA LINE AND NEW KEYPAD ON PEDESTAL
- NEW AOA FENCE
- INSTALLATION OF PERMEABLE CONCRETE WITH PRETREATMENT TRENCH DRAIN AND OVERFLOW CATCH BASIN.

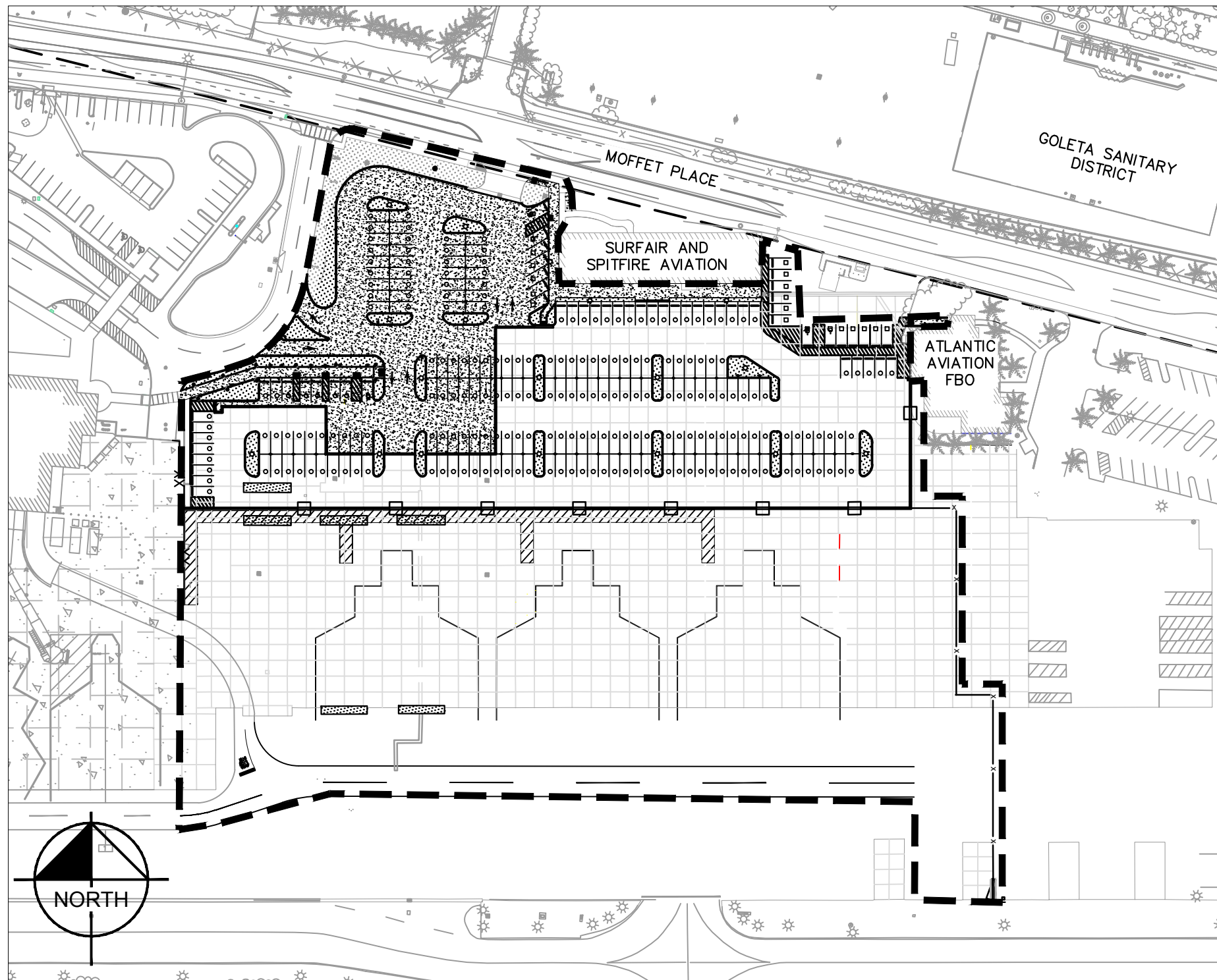
ADDRESS: 500 JAMES FOWLER ROAD, SANTA BARBARA, CA 93117

APN: 073-450-003

LAND USE ZONE: AIRPORT

FEMA FLOOD ZONE: BASE FLOOD ELEVATION ZONE AE

65% DESIGN



PROJECT LAYOUT  
N.T.S.

SITE DATA TABLE	
AREA	SF
PROPOSED NEW IMPERVIOUS AREA	1,603
PROPOSED REPLACED IMPERVIOUS AREA	279
PROPOSED REMOVED IMPERVIOUS AREA	39,631
PROPOSED PERVIOUS PAVEMENT	35,761

#### PROJECT TEAM

##### AIRPORT ENGINEER

BRADLEY KLINZING, P.E.  
SUPERVISING ENGINEER  
CITY OF SANTA BARBARA, PUBLIC WORKS  
(805) 692-6020  
bklinz@cityofsantabarbara.gov

##### CIVIL ENGINEER

PEARSE MELVIN, P.E.  
KIMLEY-HORN AND ASSOCIATES, INC.  
1100 W TOWN AND COUNTRY RD, SUITE 700  
ORANGE, CA 92668  
(714) 939-1030  
(714) 938-9488 FAX  
pearse.melvin@kimley-horn.com

##### SURVEYOR

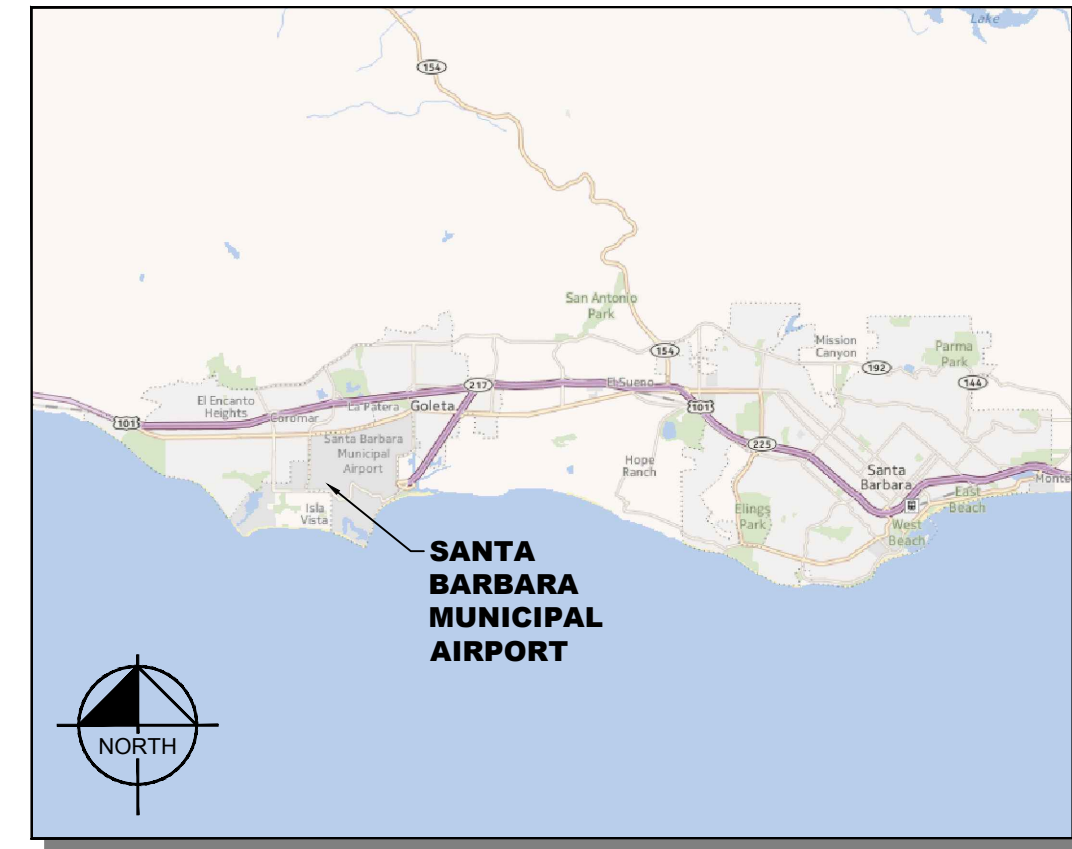
JOSHUA FORD, PLS  
FLIGHTLINE GEOMATICS - LAND SURVEYING & GIS  
PO BOX 2073, SANTA MARIA, CA 93457  
(805) 316-0201  
josh@flightlinegme.com  
CERTIFIED SDVOSB, CALIFORNIA DVBE

##### GEOTECHNICAL CONSULTANT

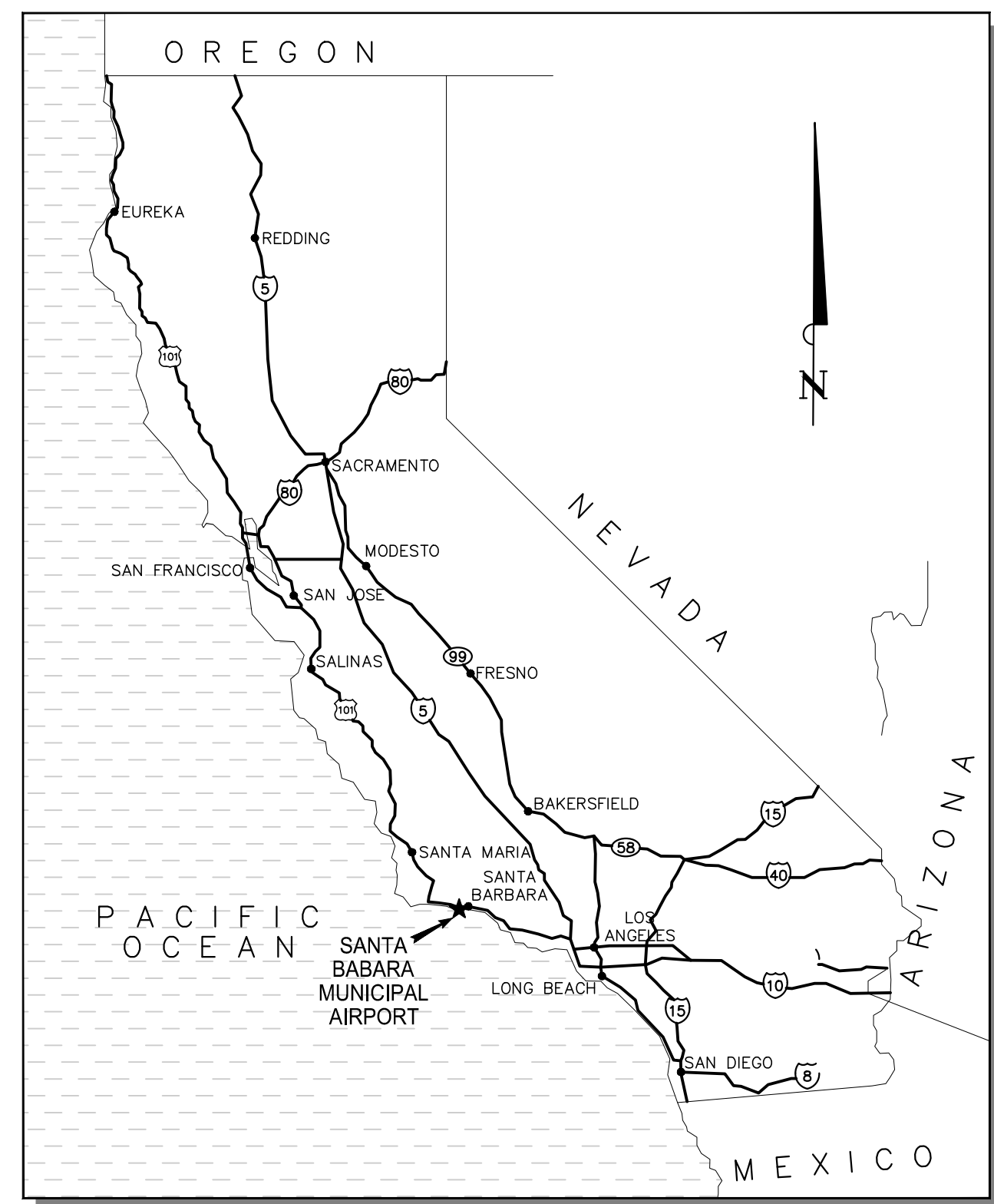
FRED POTTHAST, P.E., G.E.  
PRINCIPAL ENGINEER  
EARTH SYSTEMS  
4378 OLD SANTA FE ROAD  
SAN LUIS OBISPO, CA 93401  
(805) 234-9462  
fpotthast@earthsystems.com

##### BUILDING SURVEY

MICHAEL CUSHNER  
SENIOR ENVIRONMENTAL SCIENTIST  
NINYO & MOORE  
475 GODDARD 200  
IRVINE, CA 92618  
(562) 881-9940  
mcushner@ninyoandmoore.com



CITY OF SANTA BARBARA VICINITY MAP  
N.T.S.



LOCATION MAP  
N.T.S.

#### SPECIAL INSPECTIONS AND STRUCTURAL OBSERVATIONS

- PRE-CONSTRUCTION MEETING
- EXCAVATION AND SUBGRADE CONSTRUCTION INSPECTION
- FILTER LAYER- ROCK/SOIL/SAND LAYER INSTALLATIONS
- PERMEABLE CONCRETE INSTALLATION
- FINAL INSPECTION ONCE COMPLETED.

INSPECTIONS SHALL BE CALLED IN BY CONTRACTOR FOR INSPECTION 72 HOURS PRIOR TO NEEDED INSPECTION. THE CITY WILL THEN ROUTE TO THE QSP INSPECTOR OR THIRD PARTY COMPANY.

PARKING DATA						
TYPE	PURPOSE	REQUIRED	STANDARD	ADA	ADA-VAN	TOTAL
PROPOSED	SURFAIR*	13	11	1	1	13
	SPITFIRE**	7	5	1	1	7
	RENTAL CAR	-	215	5	1	221
	TOTAL		231	7	3	241
EXISTING	TOTAL					170

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Kimley-Horn and Associates, Inc.  
ENGINEER P. MELVIN  
PE NO. 63346 DATE \_\_\_\_\_

SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

COVER SHEET

CITY OF SANTA BARBARA  
PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE: \_\_\_\_\_, 20 \_\_\_\_

SCALE  
VERT. \_\_\_\_\_ N/A  
HOR. \_\_\_\_\_ N/A

PROJ. NO. \_\_\_\_\_  
SHT. 1 OF 30 SHTS.  
DWG.NO. 094696009 cv



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XREF: 094656609-083\_Southfield Redevelopment\17\_031519\_Sheets\094656609 PL.dwg, Dec. 20, 2021, Brian Zastorch  
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CONTROL POINT DATA

POINT NO.	HEIGHT	RE	MATERIAL	TYPE
U.S.N 1942 NO. 18	2.50	1018" PER R	BRASS CAP IN CONCRETE	BASE STAMPED
U.S.N 1942 NO. 19	2.50	1018" PER R	BRASS CAP IN CONCRETE	BASE STAMPED

TAXIWAY COORDINATES

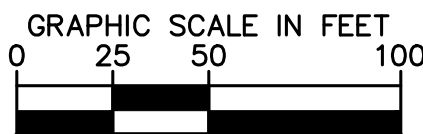
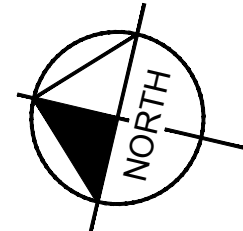
TWY	NORTHING	EASTING	STATION
B	1984110.85	6007010.5020	0+00
B	1980245.08	6007897.3997	39+68.42

LEGEND

- PROJECT LIMITS
- PROPERTY LINE
- RENTAL CAR PARKING
- SURFAIR AND SPITFIRE AVIATION PARKING
- ATLANTIC AVIATION PARKING

CURVE TABLE

CURVE TABLE								
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGENT	BEGIN	END
5	170.98'	45.00'	S6°50'15"E	44.87'	15°04'52"	22.63'	N: 1981566.00 E: 6007611.378	N: 1981521.44 E: 6007616.72
6	374.07'	85.52'	S6°44'11"E	85.33'	13°05'55"	42.95'	N: 1981476.07 E: 6007616.900	N: 1981391.33 E: 6007626.91



REFERENCES  
R RECORD OF SURVEY, BOOK 178, PAGE 34  
R1RECORD OF SURVEY, BOOK170, PAGE 63

BASIS OF BEARINGS  
BEARINGS SHOWN HEREON ARE REFERENCED TO THE AIRPORT SURVEY CONTROL NETWORK AS SHOWN THE MAPS RECORDED IN BOOK 170, PAGE 63, AND BOOK 178, PAGE 38 OF RECORDS OF SURVEYS, OFFICIAL RECORDS, SANTA BARBARA COUNTY, AND HAVING AN NAVD88 ELEVATION OF 7.59 US FEET.

BENCHMARK  
THE BENCHMARK USED FOR THIS SURVEY IS ASCN 3, AS SHOWN ON THE MAP RECORDED IN BOOK 170, PAGE 63, OF RECORDS OF SURVEYS, OFFICIAL RECORDS, SANTA BARBARA COUNTY, AND HAVING AN NAVD88 ELEVATION OF 7.59 US FEET.

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ENGINEER P. MELVIN  
PE NO. 63348 DATE \_\_\_\_\_

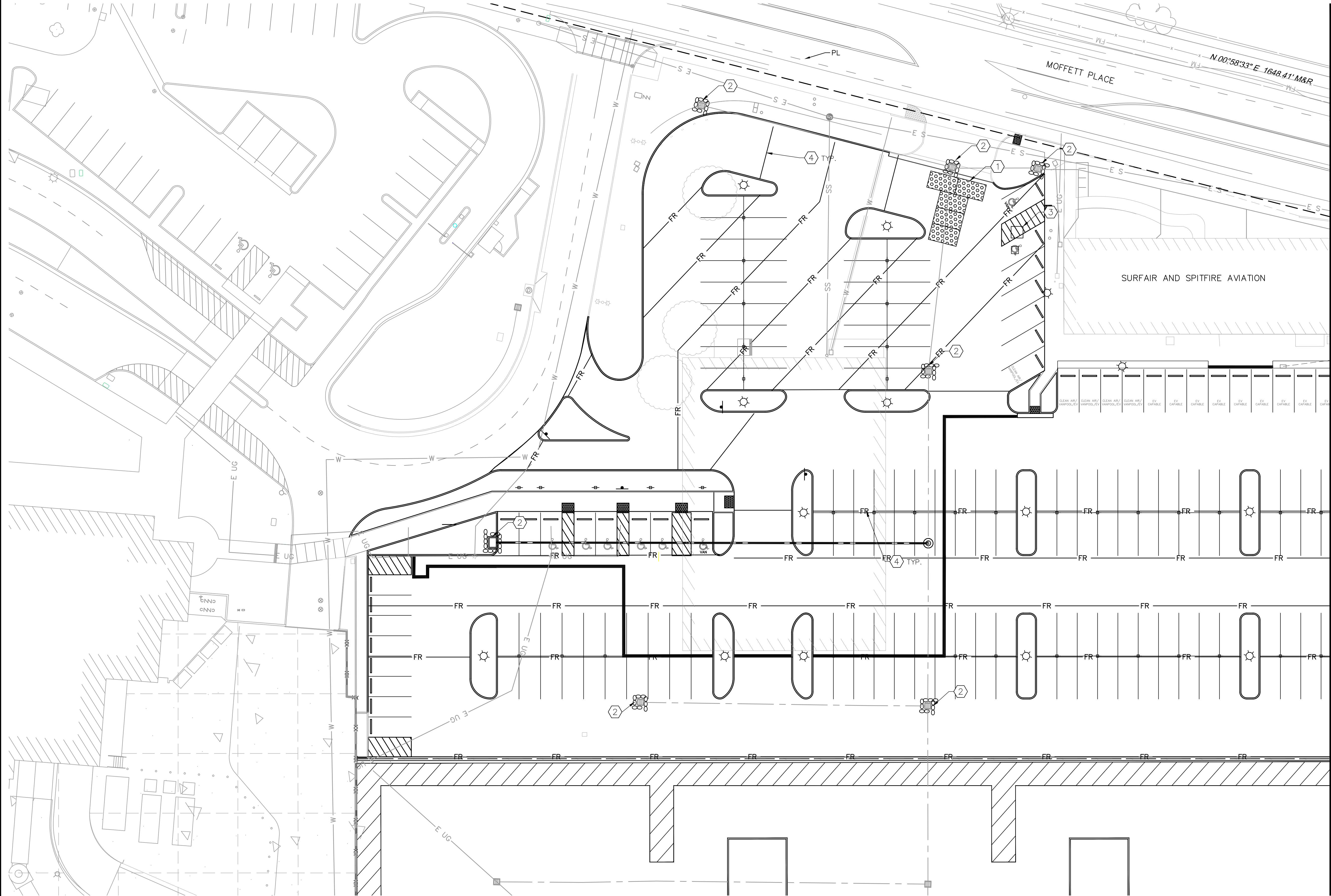
SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT  
PROJECT LAYOUT AND SURVEY CONTROL PLAN

CITY OF SANTA BARBARA  
PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION  
APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20

SCALE  
VERT. \_\_\_\_\_ N/A  
HOR. \_\_\_\_\_ N/A

PROJ.NO. \_\_\_\_\_  
SHT. 3 OF 30 SHTS.  
DWG.NO. \_\_\_\_\_

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MATCH LINE  
SEE SHEET 5

## APPLICABLE CASQA BMP

### APPLICABLE CASQA BEST MANAGEMENT PRACTICES

ALL OTHER APPLICABLE BMP'S AS LISTED BELOW SHALL BE PERFORMED PER THE 2015 CALIFORNIA STORMWATER BMP HANDBOOK.

- EC-2 PRESERVATION OF EXISTING VEGETATION
- EC-5 SOIL BINDERS
- SE-7 STREET SWEEPING AND VACUUMING
- TC-3 TIRE WASH
- WM-1 MATERIAL DELIVERY/STORAGE MANAGEMENT
- WM-3 STOCKPILE MANAGEMENT
- WM-5 SOLID WASTE MANAGEMENT
- WM-6 HAZARDOUS WASTE MANAGEMENT
- WM-8 CONCRETE WASTE MANAGEMENT
- WE-1 WIND EROSION CONTROL

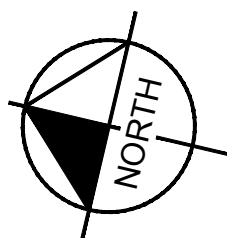
## CONSTRUCTION NOTES

ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.

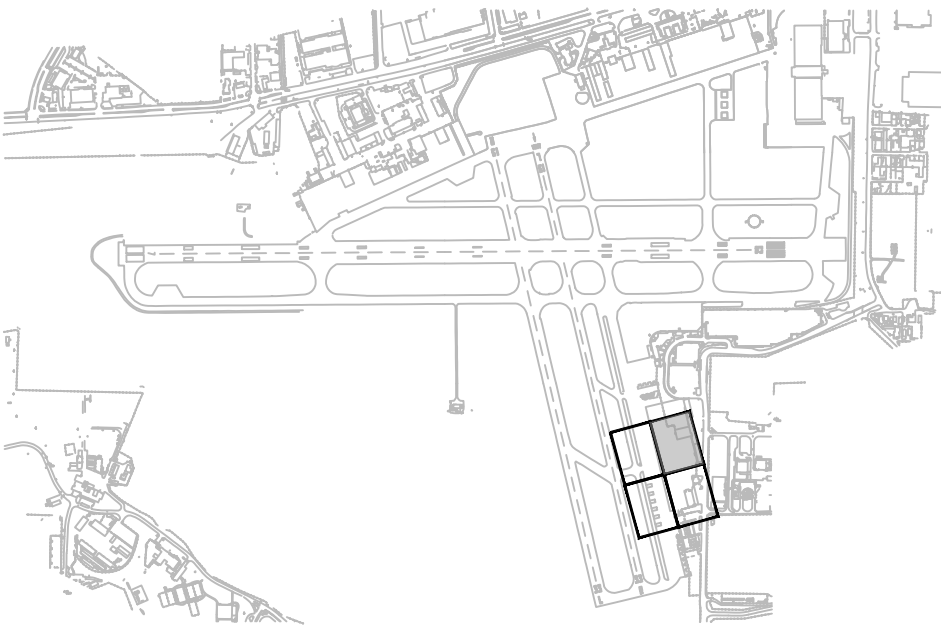
- 1 INSTALL FODS CONSTRUCTION ENTRANCE OR APPROVED EQUAL
- 2 INSTALL DANDY BAG INLET PROTECTION OR APPROVED EQUAL
- 3 INSTALL CONCRETE WASHOUT PER 2015 CALIFORNIA BMP HADNBOOK DETAIL WM-8 (SEE NOTES).
- 4 INSTALL FIBER ROLL

## LEGEND

- DANDY BAG OR APPROVED EQUAL
- FR FIBER ROLL
- PROPERTY LINE
- FOD CONSTRUCTION ENTRANCE OR APPROVED EQUAL



GRAPHIC SCALE IN FEET  
0 10 20 40



KEYMAP

NO.	DESCRIPTION	DATE	APPROVED
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PE NO. 63346 DATE

SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

EROSION CONTROL - 1

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

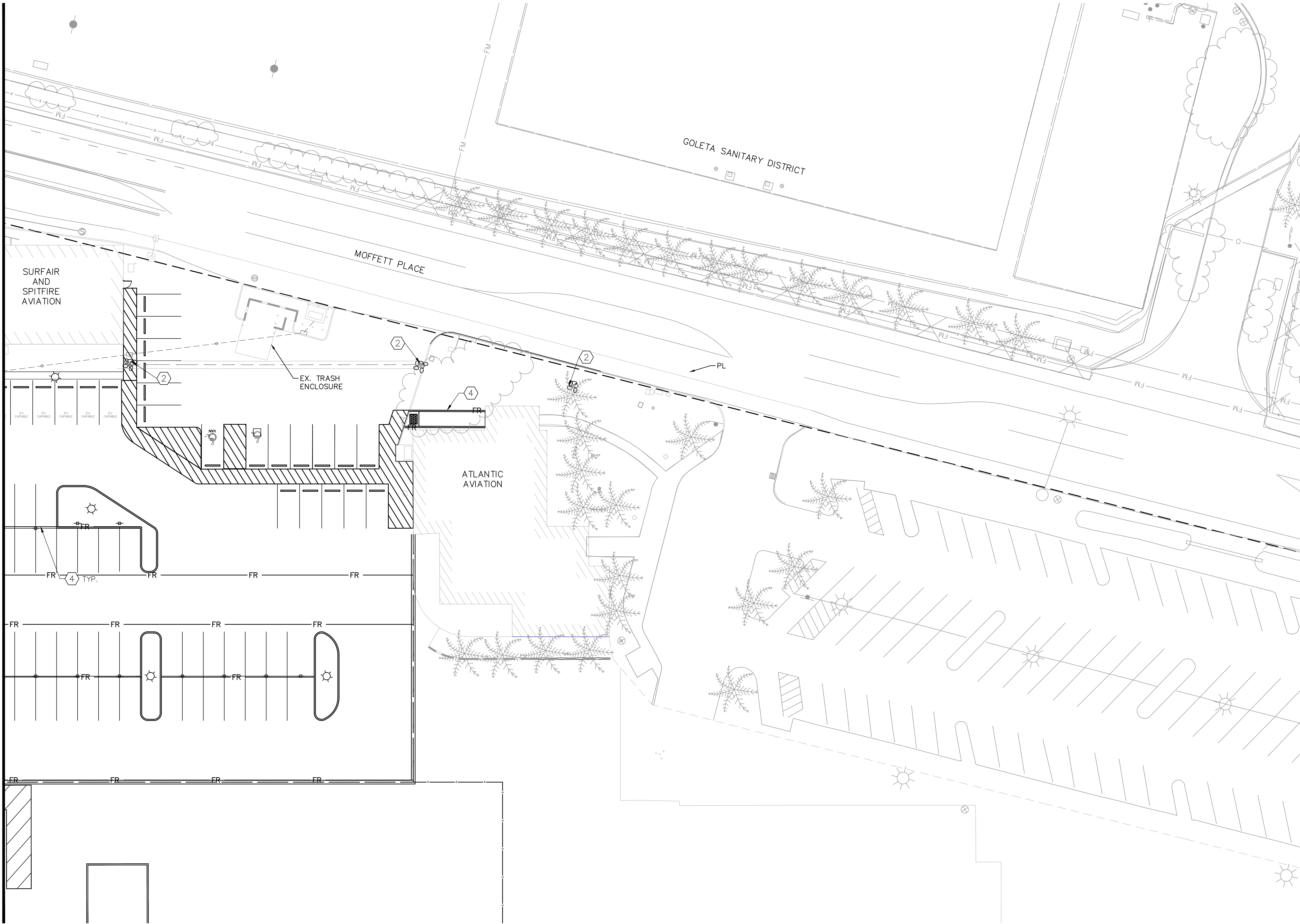
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SCALE  
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HOR. N/A

PROJ.NO. \_\_\_\_\_  
SHT. 4 OF 30 SHTS.  
DWG.NO. \_\_\_\_\_

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MATCH LINE  
SEE SHEET 4



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ENGINEER <u>P. MELVIN</u>
PE NO. <u>63346</u> DATE _____

SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

EROSION CONTROL -2

CITY OF SANTA BARBARA  
PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_ ,20\_\_\_\_

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VERT. \_\_\_\_\_ N/A \_\_\_\_\_  
HOR. \_\_\_\_\_ N/A \_\_\_\_\_

PROJ.NO. \_\_\_\_\_  
SHT. 5 OF 30 SHTS.  
DWG.NO. \_\_\_\_\_

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<b>EC-5</b>	SOIL BINDERS
<b>SE-7</b>	STREET SWEEPING AND VACUUMING
<b>TC-3</b>	TIRE WASH
<b>WM-1</b>	MATERIAL DELIVERY/STORAGE MANAGEMENT
<b>WM-3</b>	STOCKPILE MANAGEMENT
<b>WM-5</b>	SOLID WASTE MANAGEMENT
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<b>WM-8</b>	CONCRETE WASTE MANAGEMENT
<b>WE-1</b>	WIND EROSION CONTROL

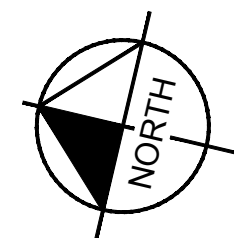
CONSTRUCTION NOTES

ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.

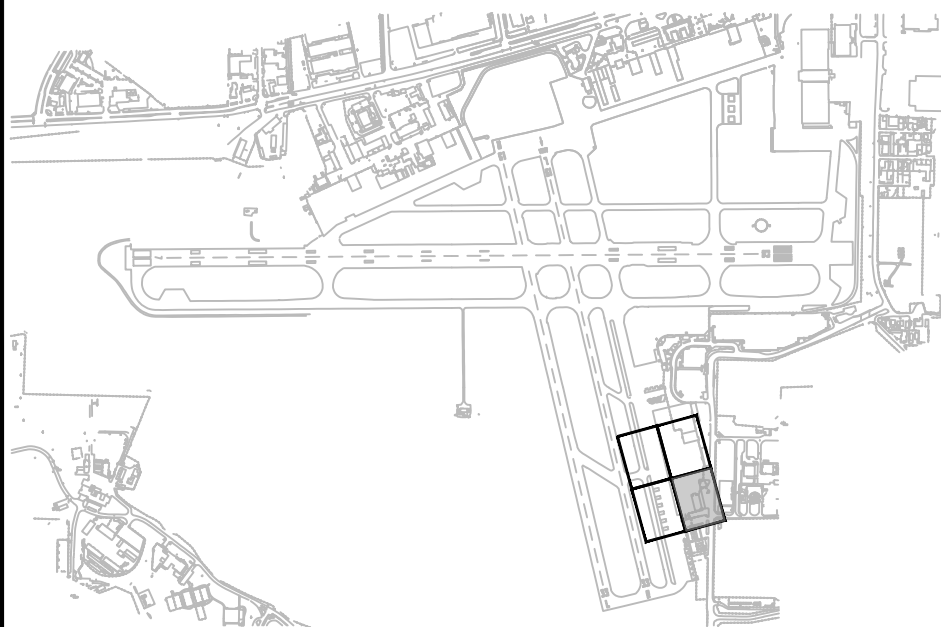
- ② INSTALL DANDY BAG INLET PROTECTION OR APPROVED EQUAL
- ④ INSTALL FIBER ROLL

LEGEND

	DANDY BAG OR APPROVED EQUAL
	FIBER ROLL
	PROPERTY LINE
	FOD CONSTRUCTION ENTRANCE OR APPROVED EQUAL



GRAPHIC SCALE IN FEET  
0 10 20 40



KEYMAP

LEGEND

- PCC DEMO
- ASPHALT DEMO
- LANDSCAPE DEMO
- NON-AOA FENCE DEMO
- AOA FENCE DEMO
- PROPERTY LINE

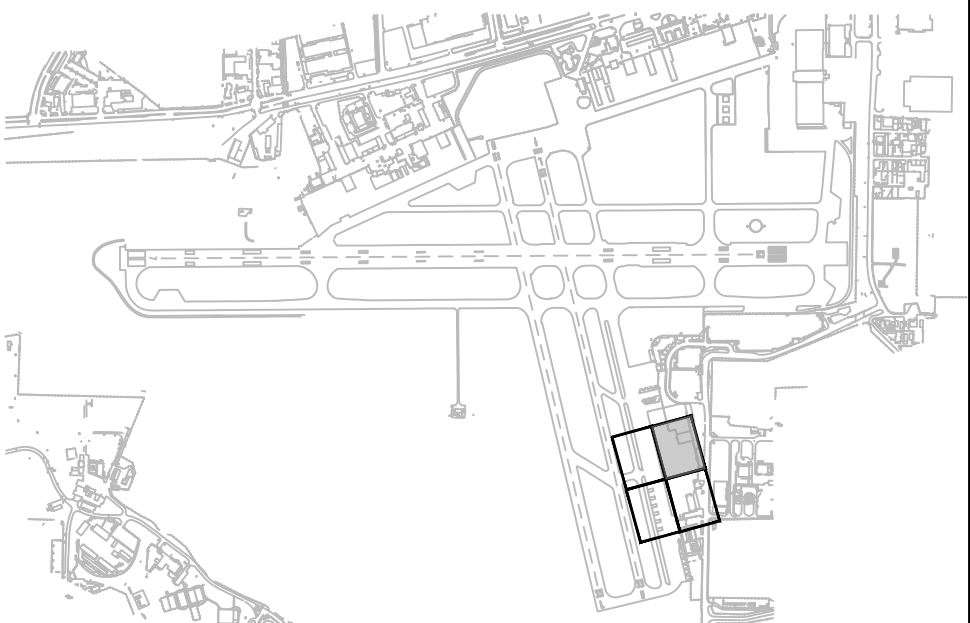
GENERAL NOTES

1. SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
2. SEE SHEETS 15 TO 18 FOR SITE PLAN.

DEMOLITION NOTES

ITEMS TO BE DEMOLISHED OR RELOCATED.

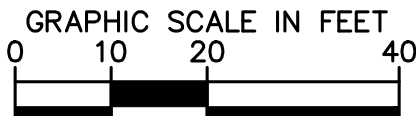
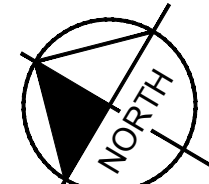
- 1 PCC PAVEMENT REMOVAL (AREA AS NOTED)
- 2 ASPHALT PAVEMENT REMOVAL (AREA AS NOTED)
- 3 SAWCUT (LENGTH AS NOTED)
- 4 CURB AND GUTTER REMOVAL (LENGTH AS NOTED)
- 5 SALVAGE LIGHT POLE, CONCRETE PEDESTAL/BASE REMOVAL. (PER EACH)
- 6 CONCRETE ISLAND REMOVAL (PER EACH)
- 7 MISCELLANEOUS DEMOLITION (ITEM AS NOTED)
- 8 TREE, STUMP, AND ROOT REMOVAL
- 9 HANGAR BUILDING, SLAB-AT-GRADE, FOUNDATIONS AND ALL APPURTENANCES DEMOLITION
- 10 SIDEWALK REMOVAL (LENGTH AS NOTED)
- 11 ABANDON EX SEWER IN PLACE PER CITY STD DWG S-MH12
- 13 REPLACE GRATE INLET WITH MANHOLE COVER.
- 14 CURB REMOVAL (LENGTH AS NOTED)
- 15 PROTECT IN PLACE (ITEM AS NOTED)
- 16 AOA FENCE REMOVAL, INCLUDING FOUNDATIONS, AND PAVEMENT REPAIR (LENGTH AS NOTED)
- 17 REMOVE EXIST WATER LINE AND STRUCTURES. CAP PER DETAIL XX, SHEET 24
- 18 PAVEMENT MARKING REMOVAL (AREA AS NOTED)
- 19 REMOVE EXIST LANDSCAPE, IRRIGATION AND TOPSOIL
- 21 REMOVE AND SALVAGE PEDESTRIAN LIGHT POLE (PER EACH)
- 22 REMOVE AND SALVAGE "RENTAL CAR RETURN" SIGN
- 23 REMOVE AND SALVAGE "TERMINAL" SIGN
- 24 REMOVE AND SALVAGE "EXIT" SIGN
- 25 REMOVE AND SALVAGE "ROW A" SIGN
- 26 REMOVE AND SALVAGE "ROW B" SIGN
- 27 REMOVE AND SALVAGE "ROW C" SIGN
- 28 REMOVE AND SALVAGE "ROW D" SIGN
- 29 REMOVE AND SALVAGE "ROW E,F" SIGN
- 30 REMOVE AND CAP EXISTING SANITARY SEWER.
- 31 REMOVE EXIST ELECTRICAL SERVICE AND COMMUNICATION SERVICE
- 32 REMOVE AND REPLACE EXISTING SANITARY SEWER MANHOLE. SEE SHEET 15 FOR MORE DETAILS.



KEYMAP

MATCH LINE  
SEE SHEET 7

MATCH LINE  
SEE SHEET 8



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Kimley-Horn and Associates, Inc.  
ENGINEER P. MELVIN  
PE NO. 63346 DATE

SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

DEMOLITION PLAN - 1

CITY OF SANTA BARBARA  
PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20

SCALE  
VERT. N/A  
HOR. N/A

PROJ.NO. \_\_\_\_\_  
SHT. 6 OF 30 SHTS.  
DWG.NO. \_\_\_\_\_

GENERAL NOTES

- SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
- SEE SHEETS 15 TO 18 FOR SITE PLAN.

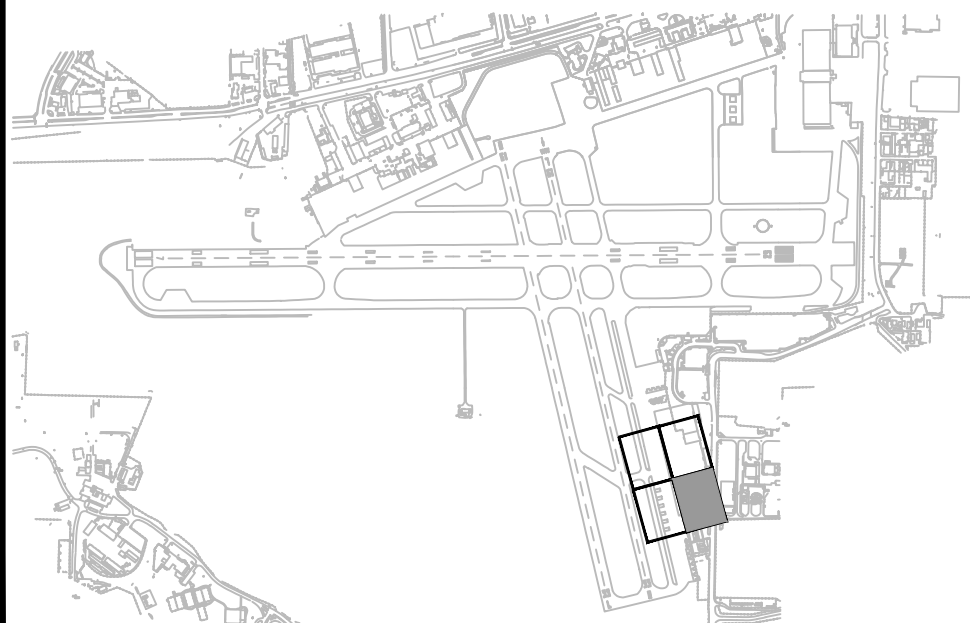
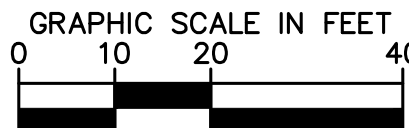
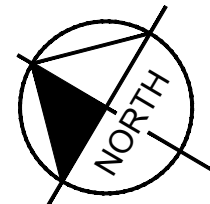
DEMOLITION NOTES

ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.

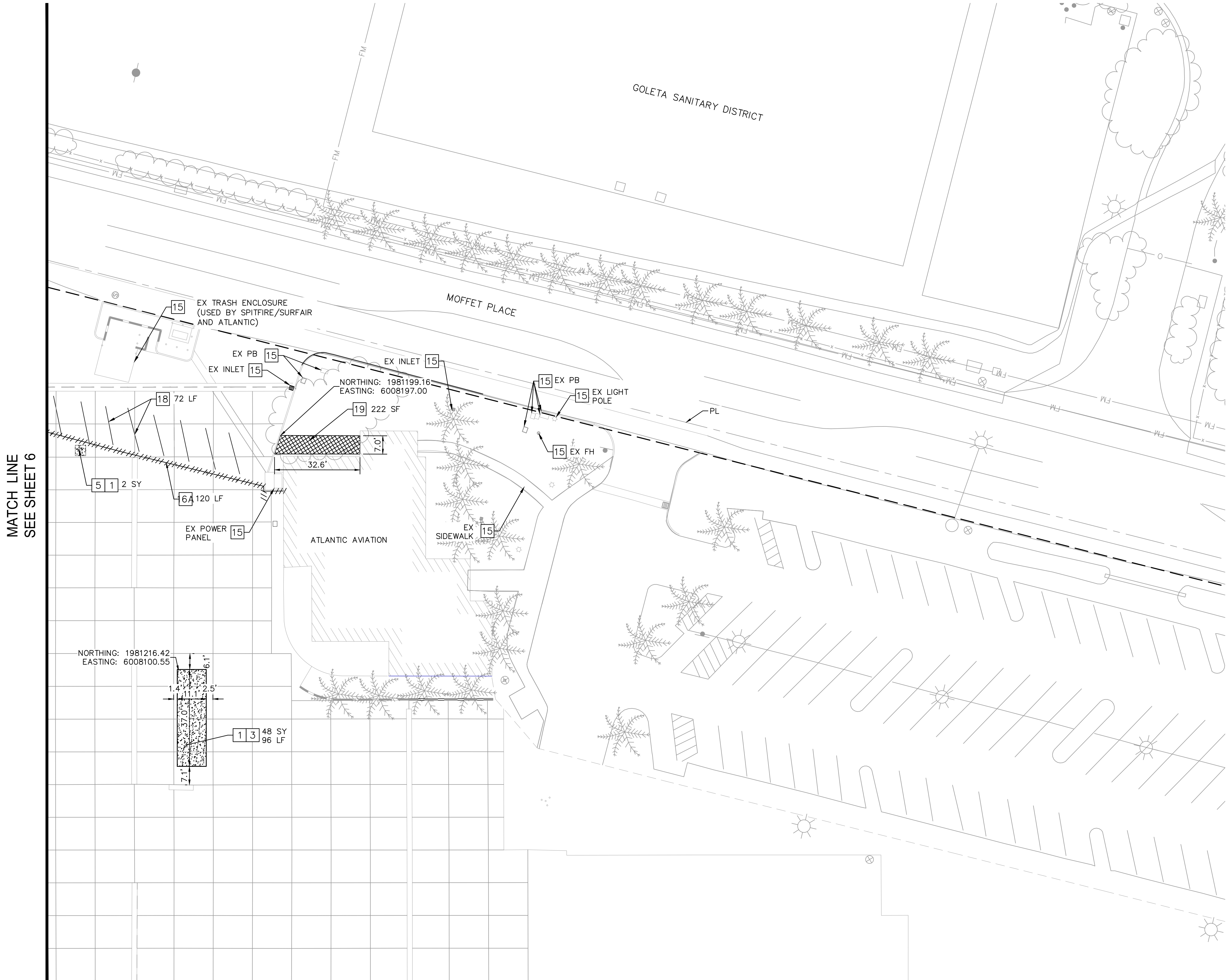
- 1 PCC PAVEMENT REMOVAL (AREA AS NOTED)
- 3 SAWCUT (LENGTH AS NOTED)
- 5 SALVAGE LIGHT POLE, CONCRETE PEDESTAL/BASE REMOVAL (PER EACH)
- 15 PROTECT IN PLACE (ITEM AS NOTED)
- 16A NON-AOA FENCE REMOVAL. POSTS CUT FLUSH WITH EXISTING GRADE AND FILLED WITH GROUT (LENGTH AS NOTED)
- 18 PAVEMENT MARKING REMOVAL (AREA AS NOTED)
- 19 REMOVE EXIST LANDSCAPE, IRRIGATION AND TOPSOIL

LEGEND

- PCC DEMO
- ASPHALT DEMO
- LANDSCAPE DEMO
- NON-AOA FENCE DEMO
- AOA FENCE DEMO
- PROPERTY LINE



KEYMAP



MATCH LINE  
SEE SHEET 6



Know what's below.  
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ENGINEER P. MELVIN  
PE NO. 53346 DATE \_\_\_\_\_

SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

DEMOLITION PLAN - 2

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20

SCALE

VERT. N/A

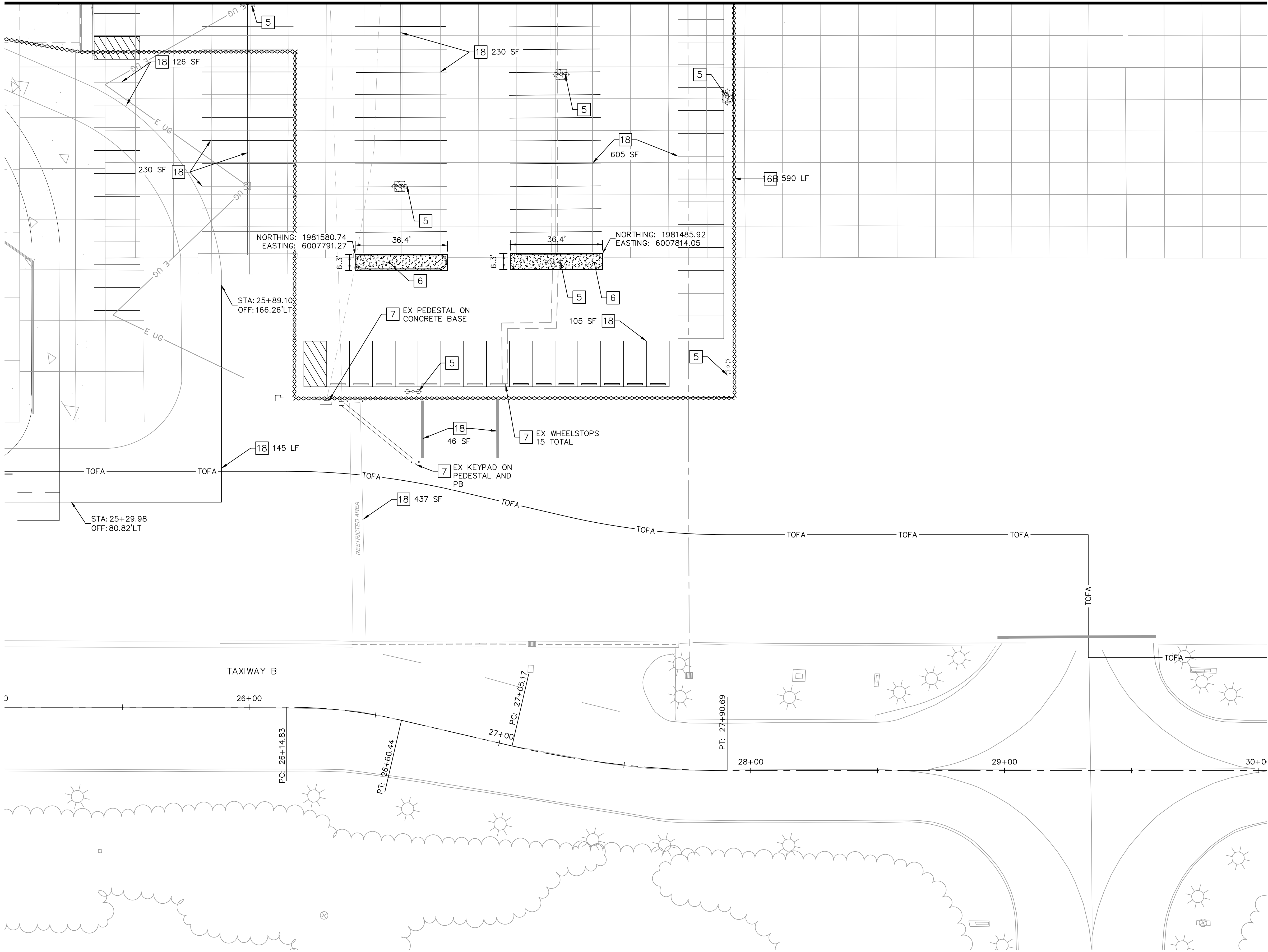
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PROJ.NO. \_\_\_\_\_

SHT. 7 OF 30 SHTS.

DWG.NO.

MATCH LINE  
SEE SHEET 6



GENERAL NOTES

- SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
- SEE SHEETS 15 TO 18 FOR SITE PLAN.
- ALL STATION AND OFFSETS REFERENCE TAXIWAY B UNLESS OTHERWISE NOTED.

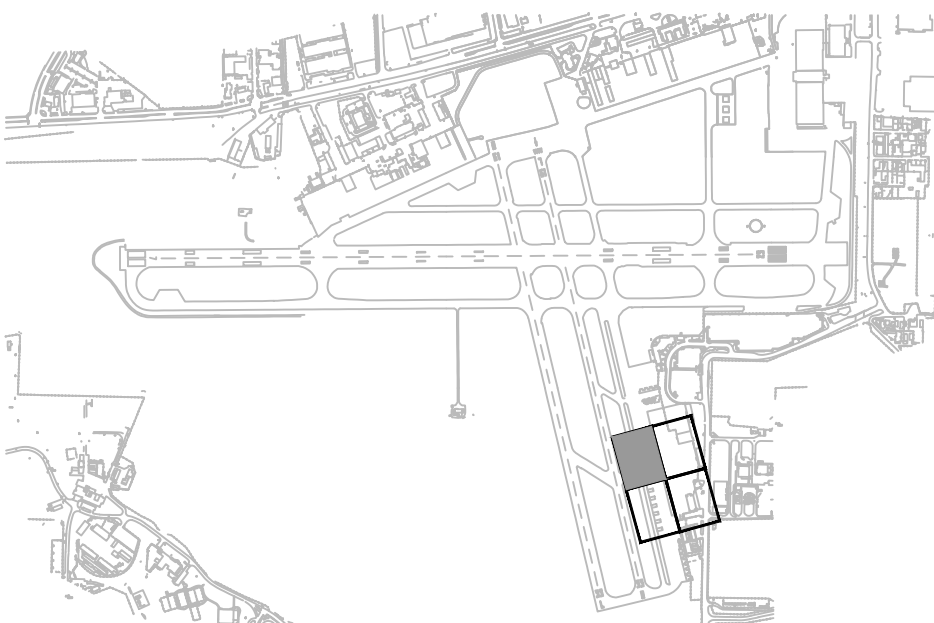
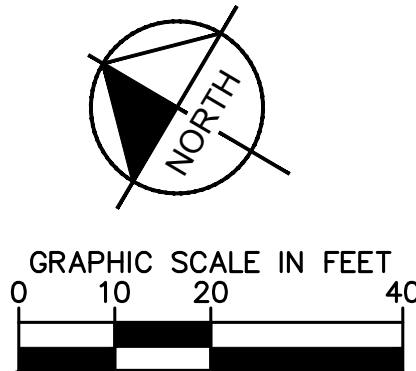
DEMOLITION NOTES

ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.

- 1 PCC PAVEMENT REMOVAL (AREA AS NOTED)
- 5 SALVAGE LIGHT POLE, CONCRETE PEDESTAL/BASE REMOVAL. (PER EACH)
- 6 CONCRETE ISLAND REMOVAL (PER EACH)
- 7 MISCELLANEOUS DEMOLITION (ITEM AS NOTED)
- 16B AOA FENCE REMOVAL, INCLUDING FOUNDATIONS, AND PAVEMENT REPAIR (LENGTH AS NOTED)
- 18 PAVEMENT MARKING REMOVAL (AREA AS NOTED)

LEGEND

- PCC DEMO
- ASPHALT DEMO
- LANDSCAPE DEMO
- NON-AOA FENCE DEMO
- AOA FENCE DEMO



KEYMAP



Know what's below.  
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SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

DEMOLITION PLAN - 3

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20

SCALE

VERT. N/A

HOR. N/A

PROJ.NO. \_\_\_\_\_

SHT. 8 OF 30 SHTS.

DWG.NO.


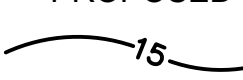

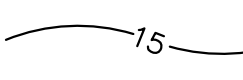
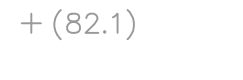
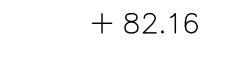



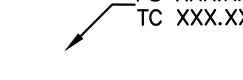




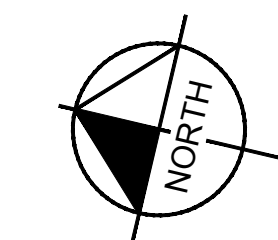
DWG.NO. 094696009 gr

1. SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
2. SEE SHEETS 6 TO 8 FOR DEMOLITION PLAN.

## ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.

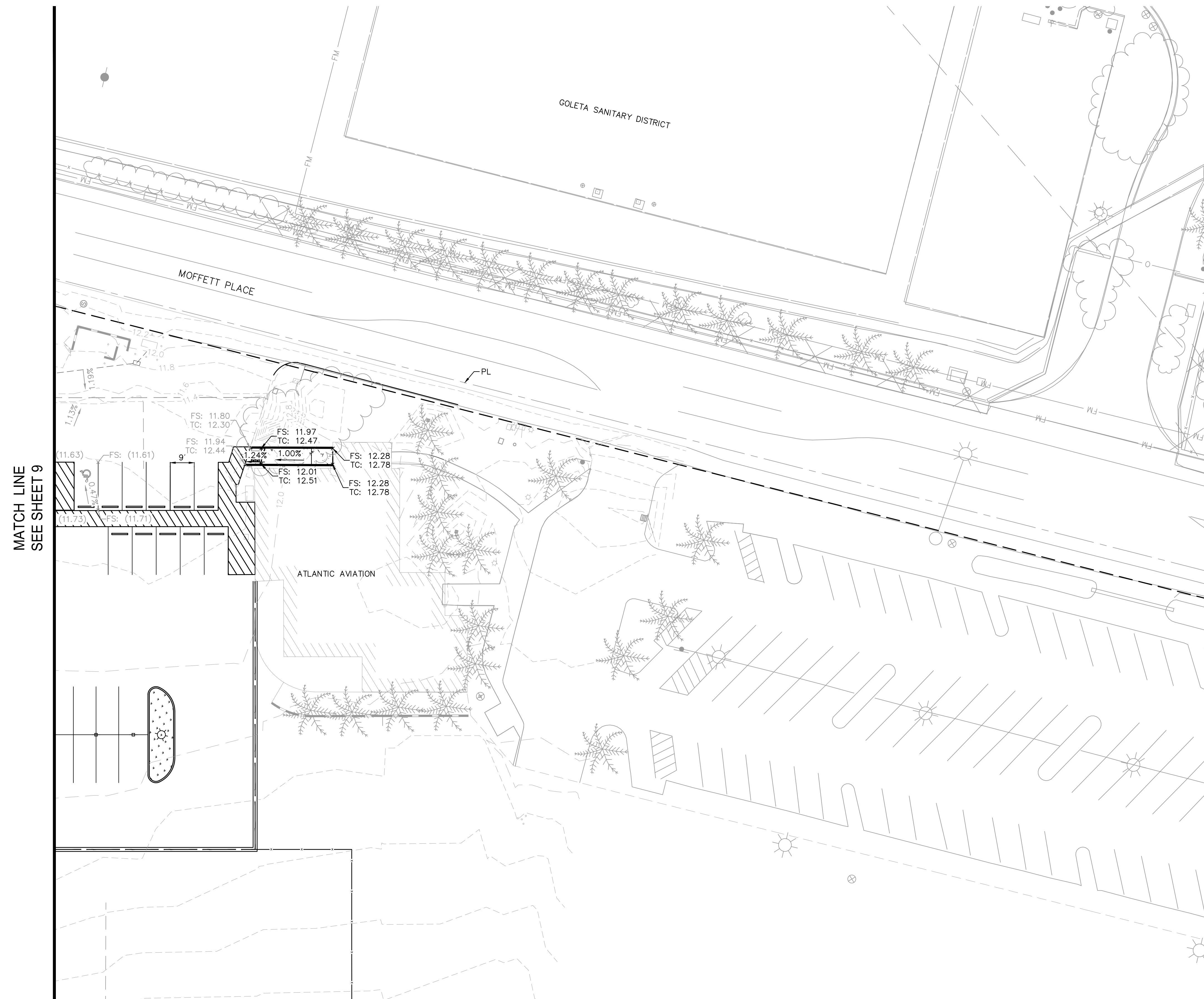
	ASPHALT PAVEMENT
	CONCRETE SIDEWALK
	LANDSCAPE AREA
	GRADE BREAK
	PROPERTY LINE
	PROPOSED FLOW (SLOPE AND DIRECTION)

EXISTING	PROPOSED	FEATURE
		MAJOR CONTOUR
		MINOR CONTOUR
		SPOT ELEVATION
		STORM DRAIN
		SPOT GRADE
		STORM INLET



GRAPHIC SCALE IN FEET

A horizontal line with vertical tick marks at 0, 10, 20, and 40. The segment between 0 and 10 is divided into two equal parts by a vertical line. The segment between 10 and 20 is a single solid black rectangle. The segment between 20 and 40 is divided into two equal parts by a vertical line. The segments from 0 to 10 and from 20 to 40 are white, while the segment from 10 to 20 is black.

 KEYMAP

MATCH LINE  
SEE SHEET 9



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	REVISIONS			

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ENGINEER P. MELVIN  
PE NO. 63346 DATE \_\_\_\_\_

**SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT**

GRADING AND DRAINAGE PLAN - 2

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT—ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20\_\_\_\_

SCALE \_\_\_\_\_

VERT.           N/A          

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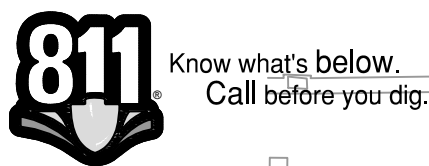
PROJ.NO. \_\_\_\_\_

SHT. 10 OF 30 SHTS.

DWG.NO. \_\_\_\_\_

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XREFS: xTB-094696009 xBM-094696009 xVF-094696009 xVA-094696009 xVS-094696009 xUT-Storm xBM-PWT-MRKG reuse  
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SOUTHFIELD REDEVELOPMENT

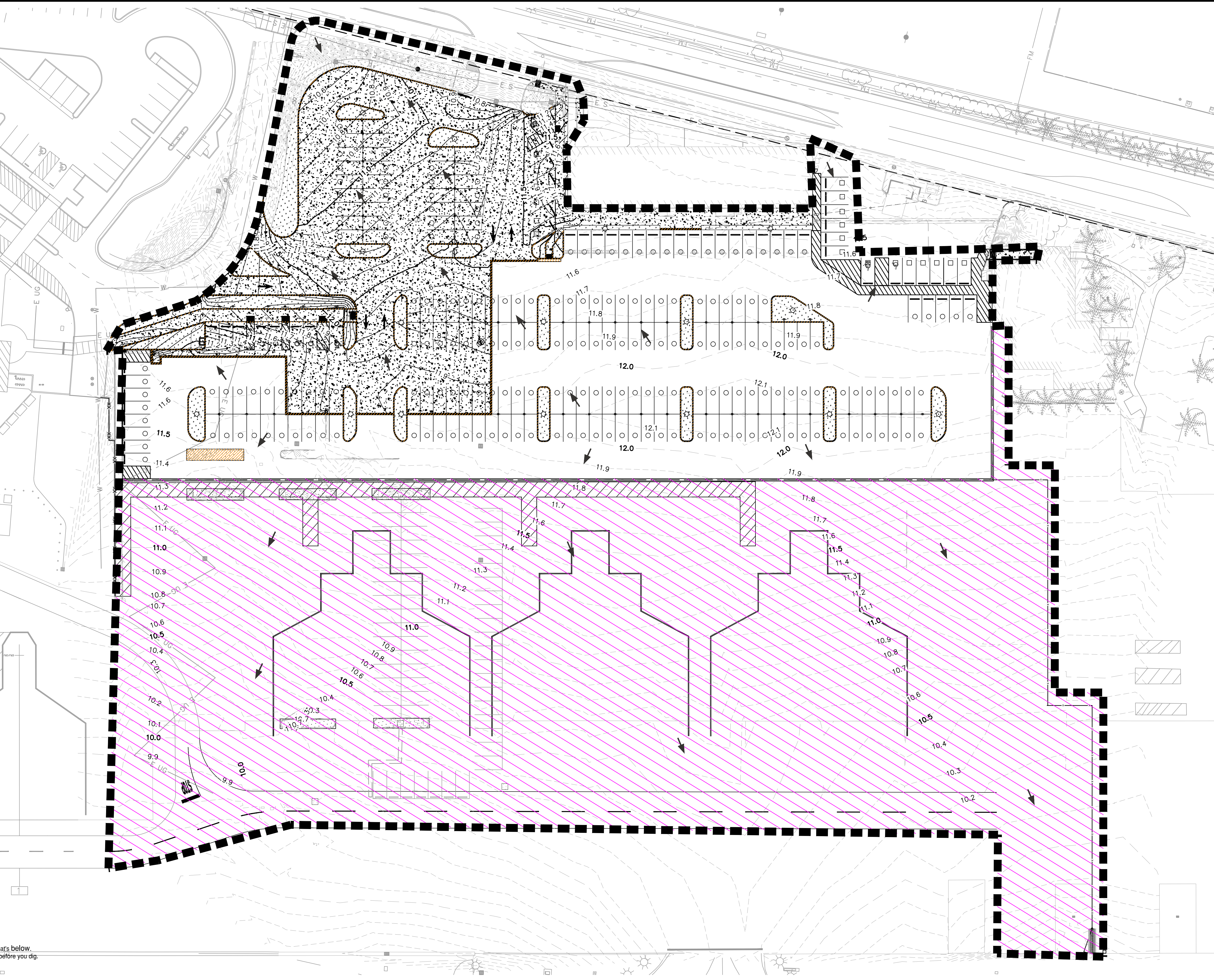
STORMWATER DRAINAGE PLAN - OVERALL

CITY OF SANTA BARBARA  
PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20

SCALE  
VERT. \_\_\_\_\_ N/A  
HOR. \_\_\_\_\_ N/A

PROJ.NO. \_\_\_\_\_  
SHT. 11 OF 30 SHTS.  
DWG.NO. 094696009 SW

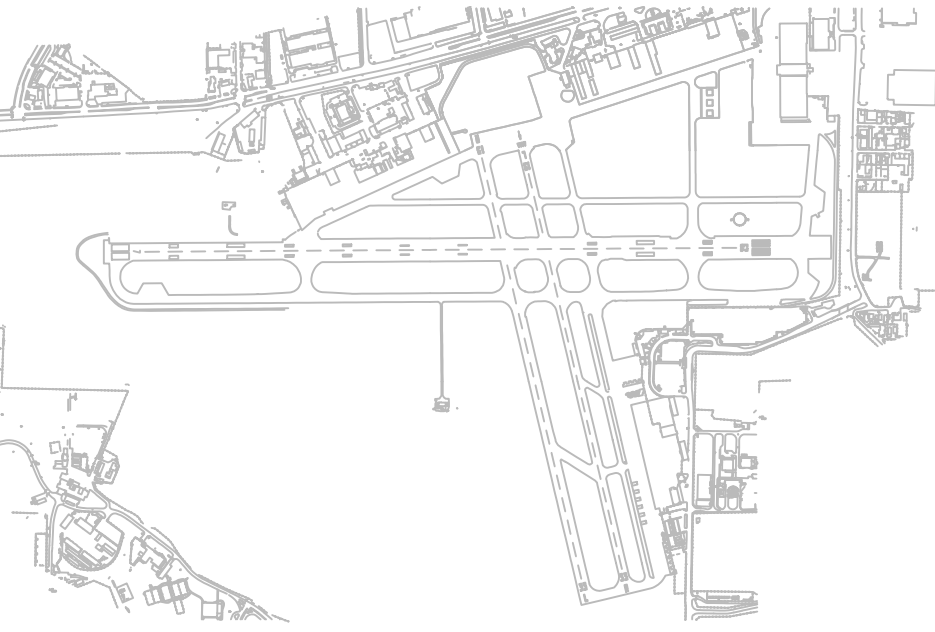


**LEGEND**

- LIMITS OF WORK
- PROPOSED PCC PAVEMENT
- PROPOSED PERMEABLE PAVEMENT AREA
- PROPOSED LANDSCAPE AREA
- DRAINAGE AREA 1
- AIR OPERATIONS AREA (AOA)
- EXISTING STORM DRAIN LINE
- SURFACE FLOW DIRECTION

NOTE: AIR OPERATIONS AREA (AOA) EXEMPT FROM STORM WATER BMP GUIDANCE MANUAL REQUIREMENTS.

**GRAPHIC SCALE IN FEET**  
0 15 30 60



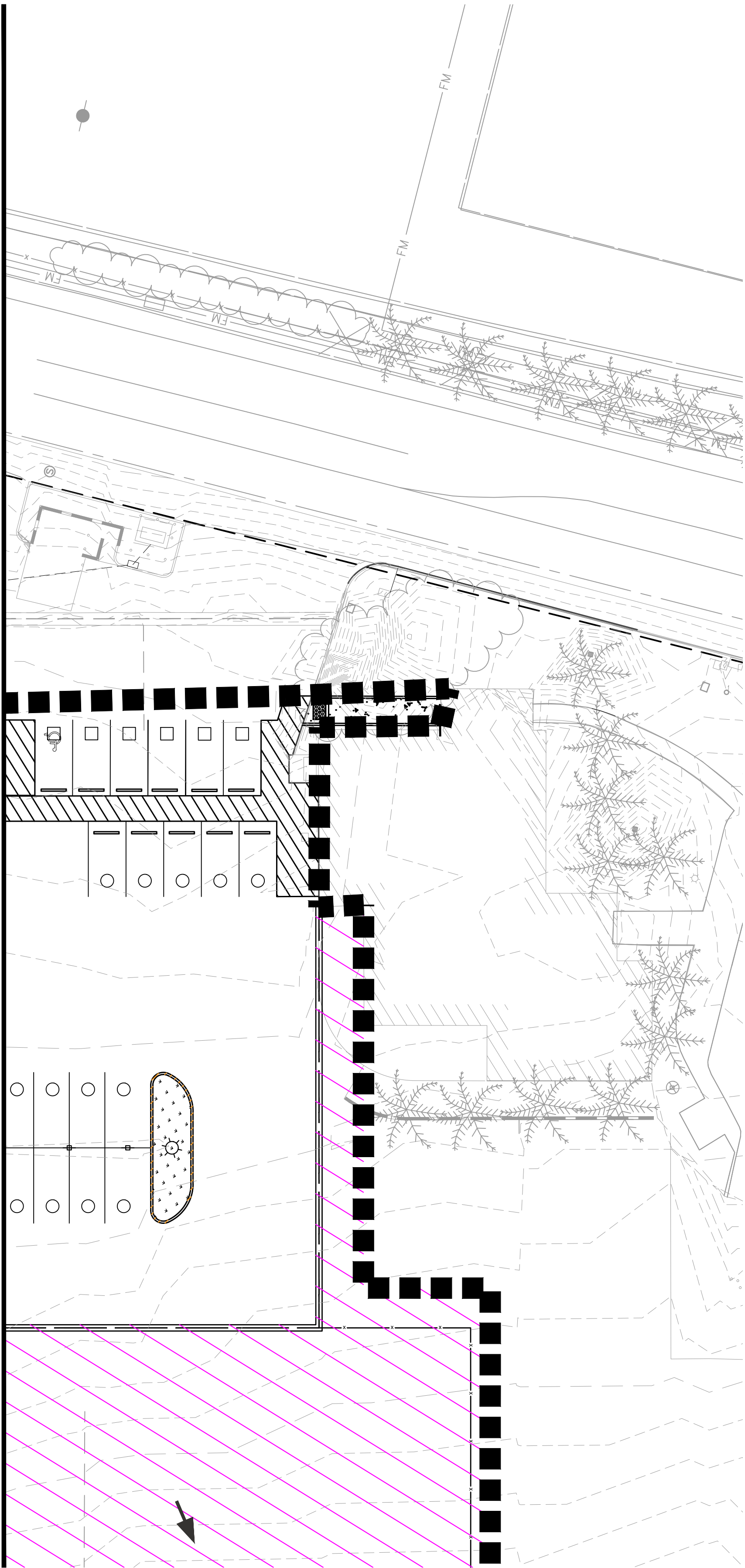
KEYMAP



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MATCH LINE  
SEE SHEET 11



STORMWATER TREATMENT SUMMARY TABLE								
DMA	AREA (SF)	AREA (AC)	IMPERVIOUS SURFACE AREA	TREATMENT VOLUME REQUIRED (CU. FT.)	DOWNSTREAM PERMEABLE PAVEMENT AREA (SF)	TREATMENT VOLUME CAPACITY (CU FT.)	BMP #	TREATMENT MEASURE
1	1882	0.04	1882	157	35761	14424	1	PERMEABLE PAVEMENT
TOTAL	1882	0.043	1882	157	35761	14424	-	-

REQUIRED VOLUME CALCULATED USING 0.623 GAL/SF PER TABLE 1-1 OF THE CITY OF SANTA BARBARA STORM WATER BMP GUIDANCE MANUAL (2020).

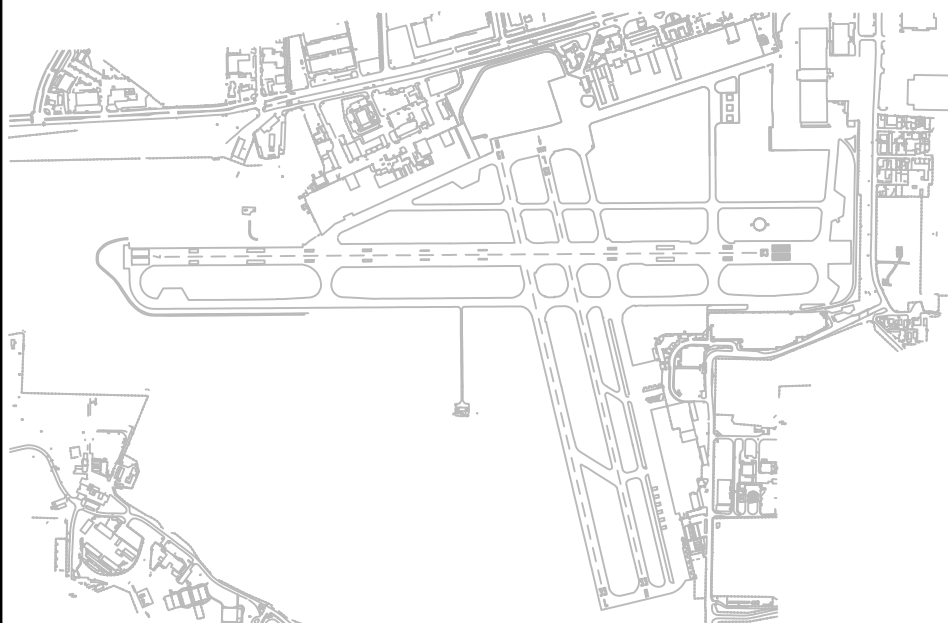
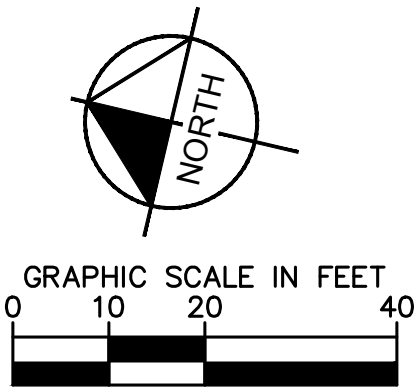
INSPECTION AND MAINTENANCY SUMMARY				
DEFECT OR PROBLEM	CONDITION WHEN MAINTENANCE IS NEEDED	RESULTS WHEN MAINTENANCE IS PERFORMED	FREQUENCY	
ROUTINE MAINTENANCE				
SEDIMENT ACCUMULATION	SEDIMENT IS VISIBLE	SEDIMENT DEPOSITS REMOVED	SEMI-ANNUALLY, PRIOR TO WET SEASON AND AFTER THE WET SEASON. AFTER MAJOR STORM EVENTS (>0.75 in/24 hrs) IF SPOT CHECKS INDICATE WIDESPREAD DAMAGE/ MAINTENANCE NEEDS.	
MISSING GRAVEL/SAND FILL	THERE ARE NOTICEABLE GAPS IN BETWEEN PAVERS	THERE ARE NOT GAPS IN BETWEEN PAVERS		
WEEDS/MOSSES FILLING VOIDS	VEGETATION IS GROWING IN/ON PERMEABLE PAVEMENT	NO VEGETATION GROWTH		
TRASH AND DEBRIS ACCUMULATION	TRASH AND DEBRIS ACCUMULATED ON THE PERMEABLE PAVEMENT	TRASH AND DEBRIS REMOVED FROM PERMEABLE PAVEMENT	MONTHLY OR QUARTERLY (OR AS DICTATED BY AGREEMENT BETWEEN CITY AND LANDSCAPE	
DEAD OR DYING VEGETATION IN ADJACENT LANDSCAPING	VEGETATION IS DEAD OR DYING LEAVING BARE SOIL PRONE TO EROSIONS	VEGETATION IS MANAGED AND SOIL IS STABILIZED		
SURFACE CLOG	CLOGGING IS EVIDENCED BY PONDING ON THE SURFACE	WELL-DRAINING SURFACE	ONGOING	
OVERFLOW CLOG	EXCESSIVE BUILDUP OF WATER ACCOMPANIED BY OBSERVATION OF LOW FLOW IN OBSERVATION WELL (CONNECTED TO UNDERDRAIN SYSTEM) IF A SURFACE OVERFLOW SYSTEM IS USED, OBSERVATIONS OF AN OBVIOUS CLOG	WELL-DRAINING SYSTEM WITH ADEQUATE FLOW		
VISUAL CONTAMINANTS AND POLLUTION	ANY VISUAL EVIDENCE OF OIL, GASOLINE, CONTAMINANTS, OR OTHER POLLUTANTS	NO VISUAL CONTAMINANTS OR POLLUTANTS PRESENT		
EROSION	TRIBUTARY AREA	TRIBUTARY AREA COMPLETELY STABILIZED	AS NEEDED.	
MAJOR MAINTENANCE				
DETERIORATION/ROUGHENING	INTEGRITY OF PAVEMENT IS COMPROMISED (i.e. CRACKS, DEPRESSIONS, CRUMBLING, ETC.)	SMOOTH AND EVEN SURFACE		
SUBSURFACE CLOG	CLOGGING IS EVIDENCED BY PONDING ON THE SURFACE AND IS NOT REMEDIED BY ADDRESSING SURFACE CLOGGING	WELL-DRAINING SYSTEM; EXCAVATION OF PAVEMENT AND GRAVEL DRAINAGE LAYER IS REQUIRED.		

## LEGEND

- LIMITS OF WORK
- PROPOSED PCC PAVEMENT
- PROPOSED PERMEABLE PAVEMENT AREA
- PROPOSED LANDSCAPE AREA
- DRAINAGE AREA 1
- AIR OPERATIONS AREA (AOA)
- SD EXISTING STORM DRAIN LINE
- SURFACE FLOW DIRECTION

## BMP NOTES

- OVERFLOW CATCH BASIN.
- BMP #1 - PERMEABLE PAVEMENT.
- PRETREATMENT TRENCH DRAIN.
- PRETREATMENT LANDSCAPE ISLANDS.



KEYMAP

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PE NO.63346 DATE

SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

STORMWATER DRAINAGE PLAN - 2

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : DATE ,20

SCALE

VERT.

N/A

HOR.

N/A

PROJ.NO. \_\_\_\_\_

SHT. 13 OF 30 SHTS.

DWG.NO. 094696009 sw





DWG.NO. 094696009 gl

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SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

SITE PLAN - 2

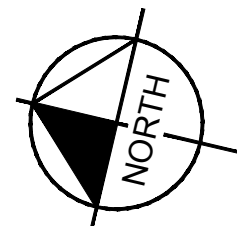
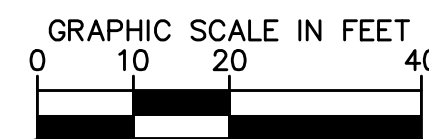
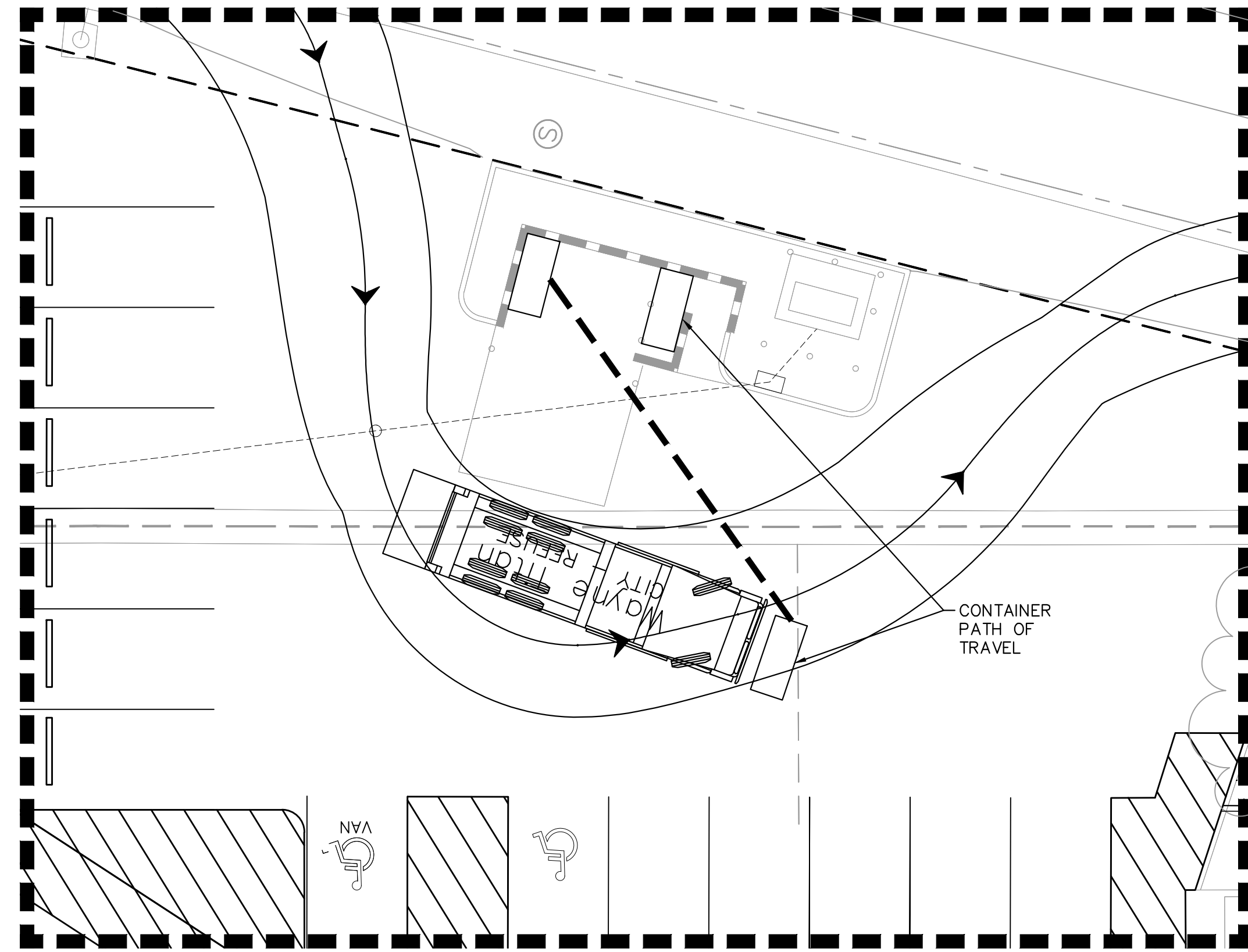
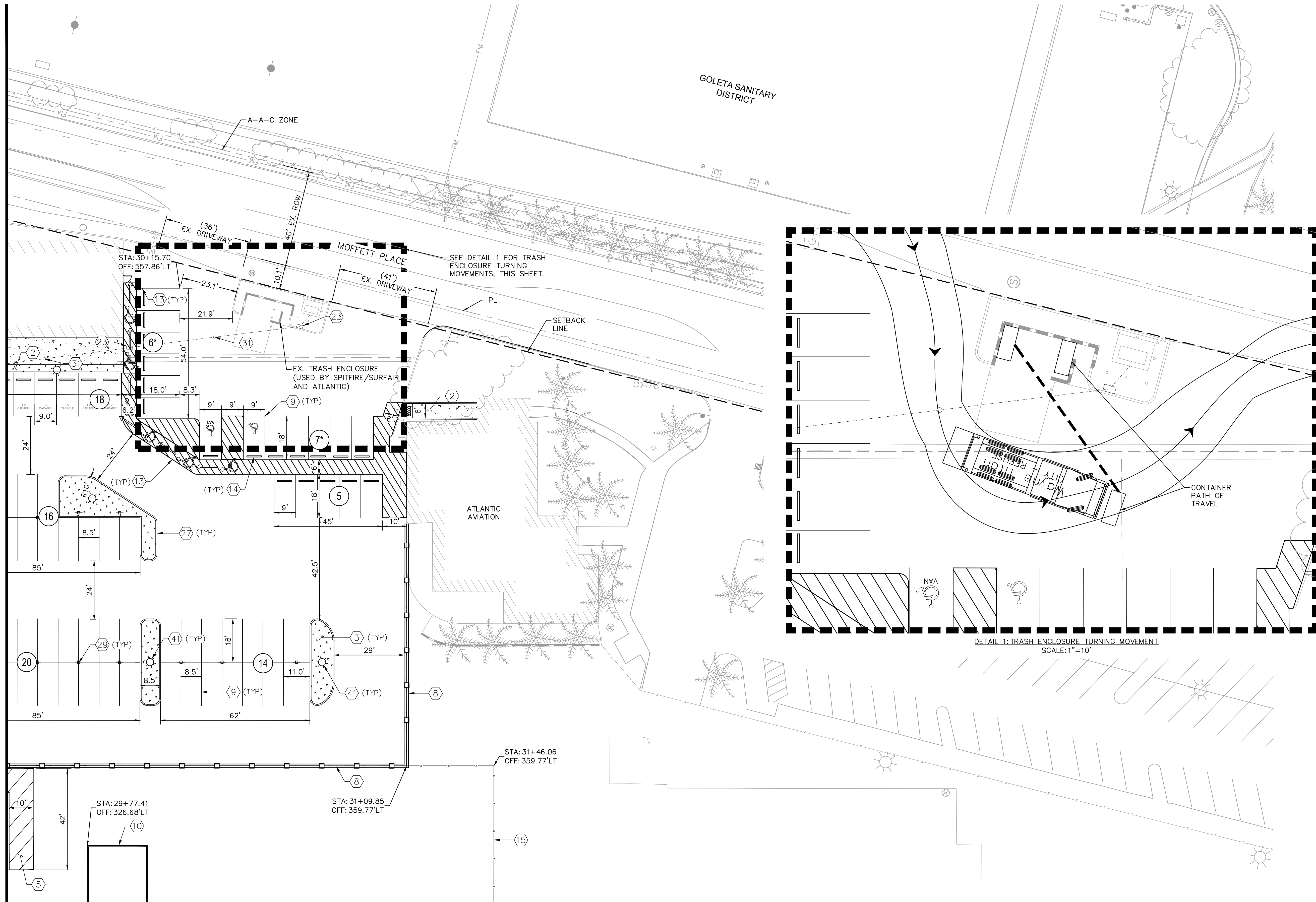
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PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

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VERT. \_\_\_\_\_ N/A  
HOR. \_\_\_\_\_ N/A

PROJ. NO. \_\_\_\_\_  
SHT. 16 OF 30 SHTS.  
DWG.NO. \_\_\_\_\_

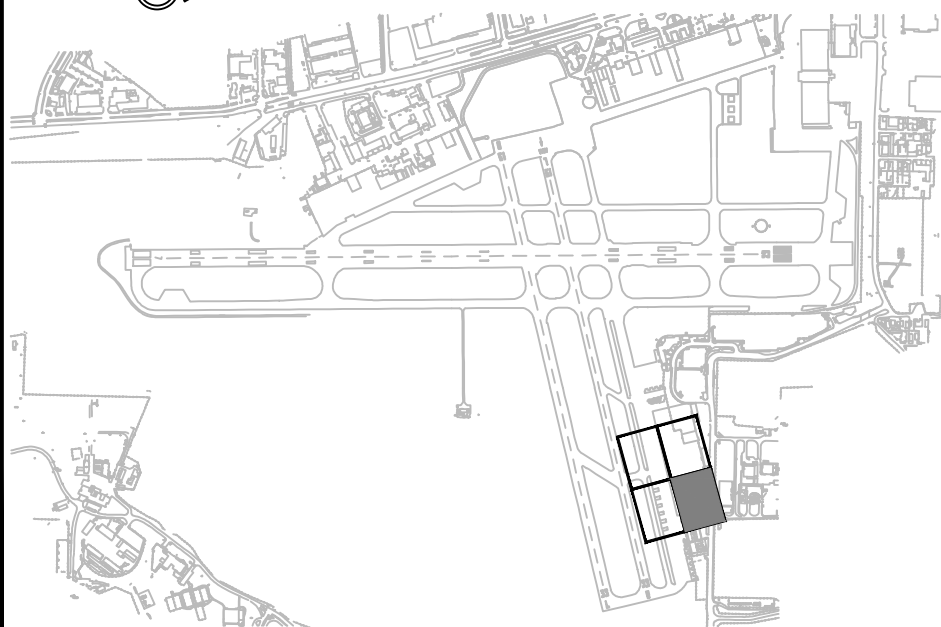
MATCH LINE  
SEE SHEET 15



LEGEND

- ASPHALT PAVEMENT
- CONCRETE SIDEWALK
- LANDSCAPE AREA
- ADA STRIPING
- PROPERTY LINE

- (X) NUMBER OF RENTAL CAR PARKING STALLS PER BLOCK
- (X\*) NUMBER OF SURFAIR PARKING STALLS PER BLOCK
- (X\*\*) NUMBER OF SPITFIRE PARKING STALLS PER BLOCK
- ↑ ADA PATH OF TRAVEL



KEYMAP

GENERAL NOTES

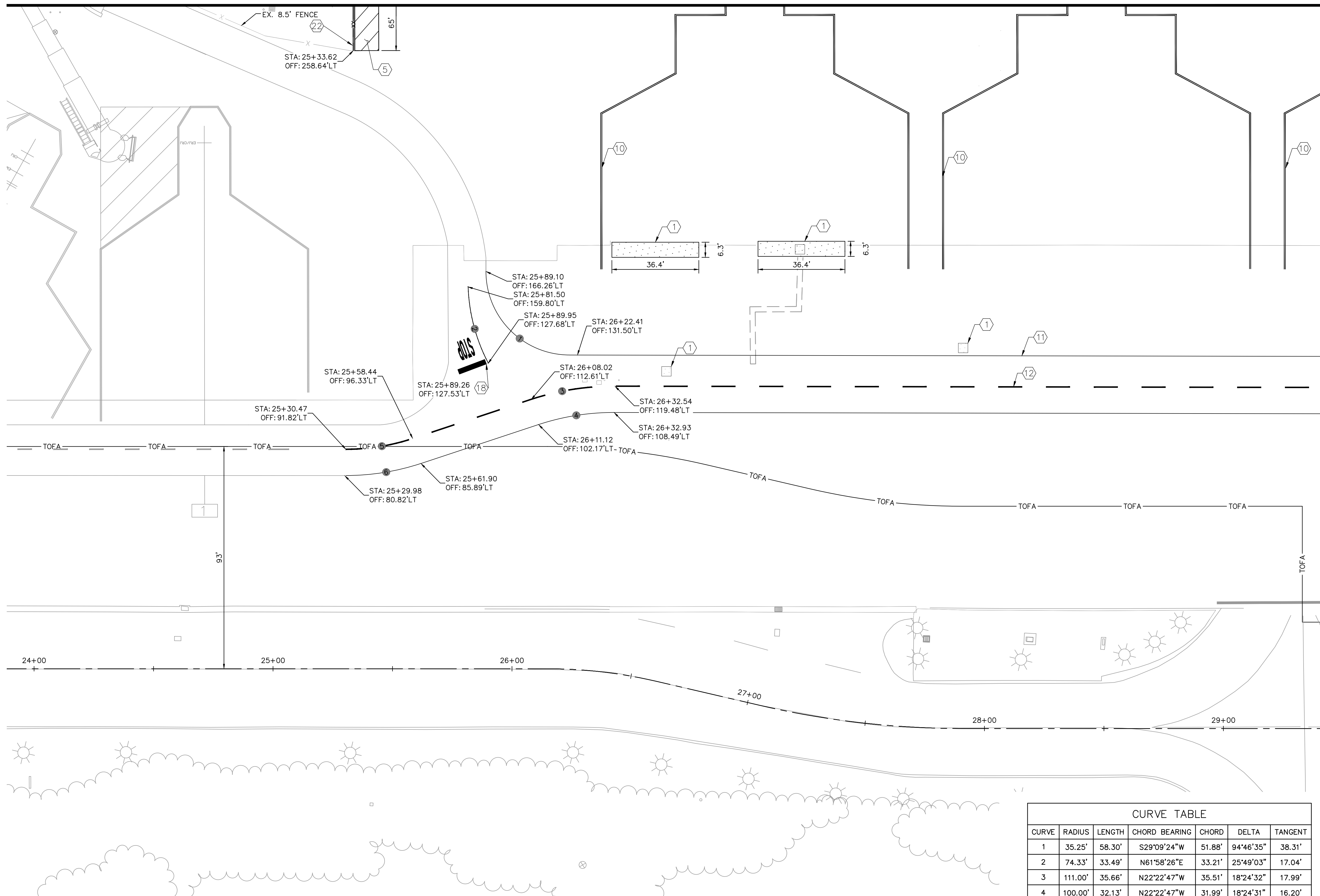
- SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
- SEE SHEETS 6 TO 8 FOR DEMOLITION PLAN.
- ALL STATION AND OFFSETS REFER TO TAXIWAY B UNLESS OTHERWISE NOTED.

CONSTRUCTION NOTES

ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.

- (2) INSTALL PERMEABLE CONCRETE PAVEMENT PER DETAIL 8, SHEET 24
- (3) LANDSCAPE/PLANTER AREA
- (5) PATH OF TRAVEL PER DETAIL 8, SHEET 25
- (8) INSTALL FENCE ON BARRIER PER DETAIL 1, SHEET 26
- (9) 90 DEGREE PARKING STALL STRIPING PER DETAIL 9, SHEET 23
- (10) AIRCRAFT PARKING POSITION STRIPING PER DETAIL 2, SHEET 24
- (13) ADA STRIPING PER DETAIL 8, SHEET 24
- (14) WHEEL STOP AT 2.5' FROM SURFACE OF WHEEL STOP TO FACE OF CURB PER DETAIL 10, SHEET 24
- (15) 8' BLACK VINYL CHAIN LINK AOA SECURITY FENCE WITH SLATS PER DETAIL 1, SHEET 24
- (23) LOCATION APPROXIMATE. ELECTRICAL HAND HOLE, 17"x30"x24", STYLE PG, TIER 22 RATED FOR 22,500#. QUAZITE PG1730BA24 WITH PG1730HH0017 COVER OR EQUAL.
- (27) INSTALL CURB ONLY PER PER CITY OF SANTA BARBARA STANDARD DETAIL H-02.0. DETAIL 1, SHEET 23
- (29) RENTAL PARKING SIGN
- (31) ROUTE (2) - 3" C, PVC, SCH 40, WITH PULL - STRING FOR FUTURE EV CHARGING STATIONS. ROUTE TOP OF CONDUIT A MINIMUM OF 36" BELOW FINAL GRADE.

MATCH LINE  
SEE SHEET 15



CURVE TABLE						
CURVE	RADIUS	LENGTH	CHORD BEARING	CHORD	DELTA	TANGEN
1	35.25'	58.30'	S29°09'24"W	51.88'	94°46'35"	38.31'
2	74.33'	33.49'	N61°58'26"E	33.21'	25°49'03"	17.04'
3	111.00'	35.66'	N22°22'47"W	35.51'	18°24'32"	17.99'
4	100.00'	32.13'	N22°22'47"W	31.99'	18°24'31"	16.20'
5	89.00'	28.46'	N22°25'28"W	28.34'	18°19'10"	14.35'
6	100.00'	31.97'	N22°25'28"W	31.84'	18°19'10"	16.12'

## GENERAL NOTES

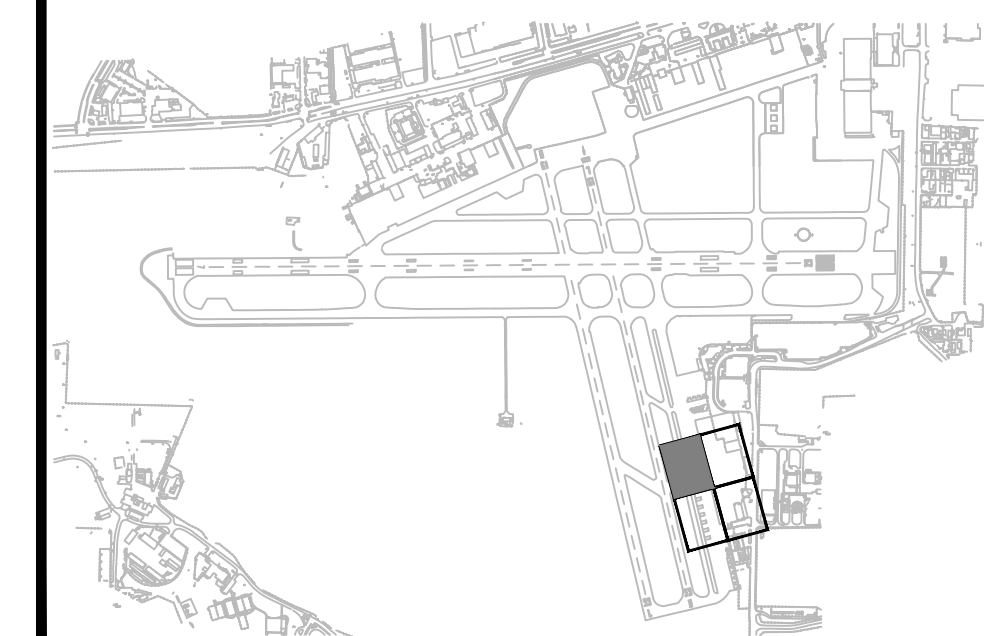
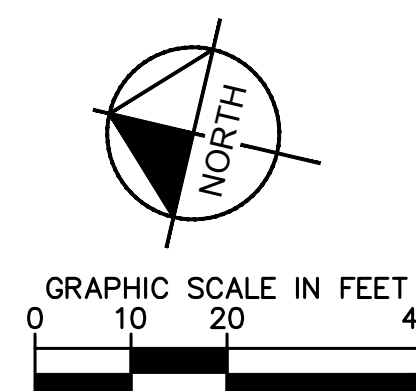
1. SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
2. SEE SHEETS 6 TO 8 FOR DEMOLITION PLAN.
3. ALL STATION AND OFFSETS REFER TO TAXIWAY B UNLESS OTHERWISE NOTED.

## CONSTRUCTION NOTES

ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.

- 1 CONCRETE PAVEMENT PER DETAIL 2, SHEET 13.
- 5 PATH OF TRAVEL PER DETAIL 8, SHEET 25.
- 10 AIRCRAFT PARKING POSITION STRIPING PER DETAIL 2, SHEET 24
- 11 VSR SOLID EDGE STRIPING PER DETAIL 3, SHEET 24
- 12 VSR DASHED CENTERLINE STRIPING PER DETAIL 4, SHEET 24
- 18 INSTALL VSR STOP BAR PER DETAIL 6, SHEET 24.
- 22 INSTALL DOUBLE ARM (6 STRAND) GALV. STEEL BARBED WIRE TO EXISTING 8.5' SALLY PORT WALL PER DETAIL 1, SHEET 25

### LEGEND

 KEYMAP

Know what's below.  
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ENGINEER P. MELVIN  
PE NO. 63346 DATE

**SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT**

SITE PLAN - 3

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT—ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20\_\_\_\_

SCALE

VERT. N/A

HOR. N/A

PROJ.NO. \_\_\_\_\_

SHT. 17 OF 30 SHTS.

DWG.NO.

AVIATION-094686009-SBA Southfield Redevelopment L07 CAD/PlanSheet 094686009 GJ dwg Dec 20 2021 Bazel Zentgraf  
REFS: TR 094686009-9BHW 094686009-AVA 094686009-XLW 094686009-XYS 094686009-PWT-MPKC xUT Storm  
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XREFS: X1B-09469009 XBM-09469009 x14-09469009 x1A-09469009 x1Z-09469009 x2M-PMT-MRKG x1T-Storm  
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ENGINEER P. MELVIN  
PE NO. 63346, DATE

SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

SITE PLAN - 4

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20

SCALE

VERT.   N/A

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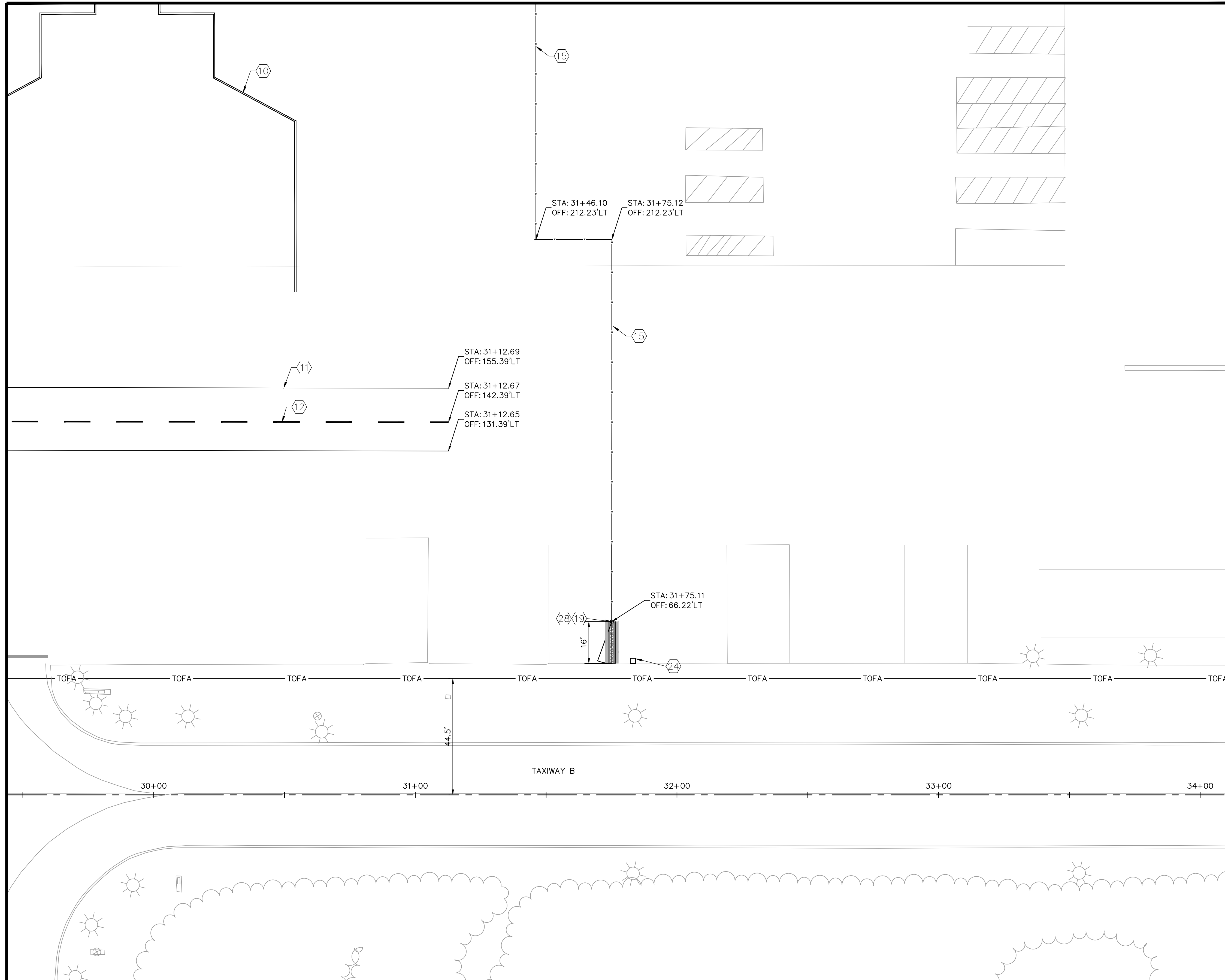
PROJ.NO. \_\_\_\_\_

SHT. 18 OF 30 SHTS.

DWG.NO. \_\_\_\_\_

MATCH LINE  
SEE SHEET 15

MATCH LINE  
SEE SHEET 16

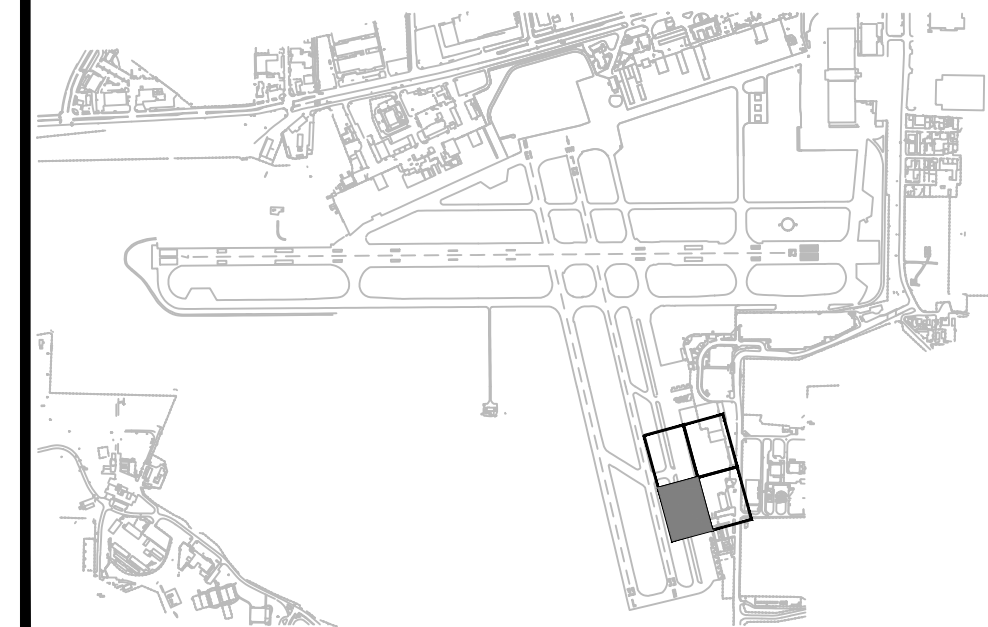
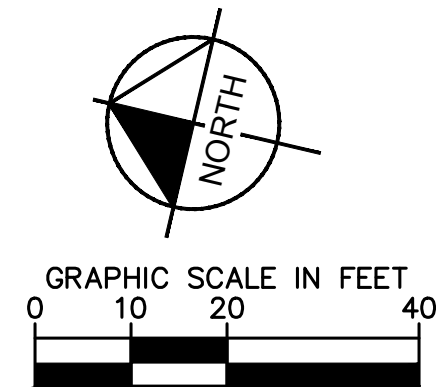


### GENERAL NOTES

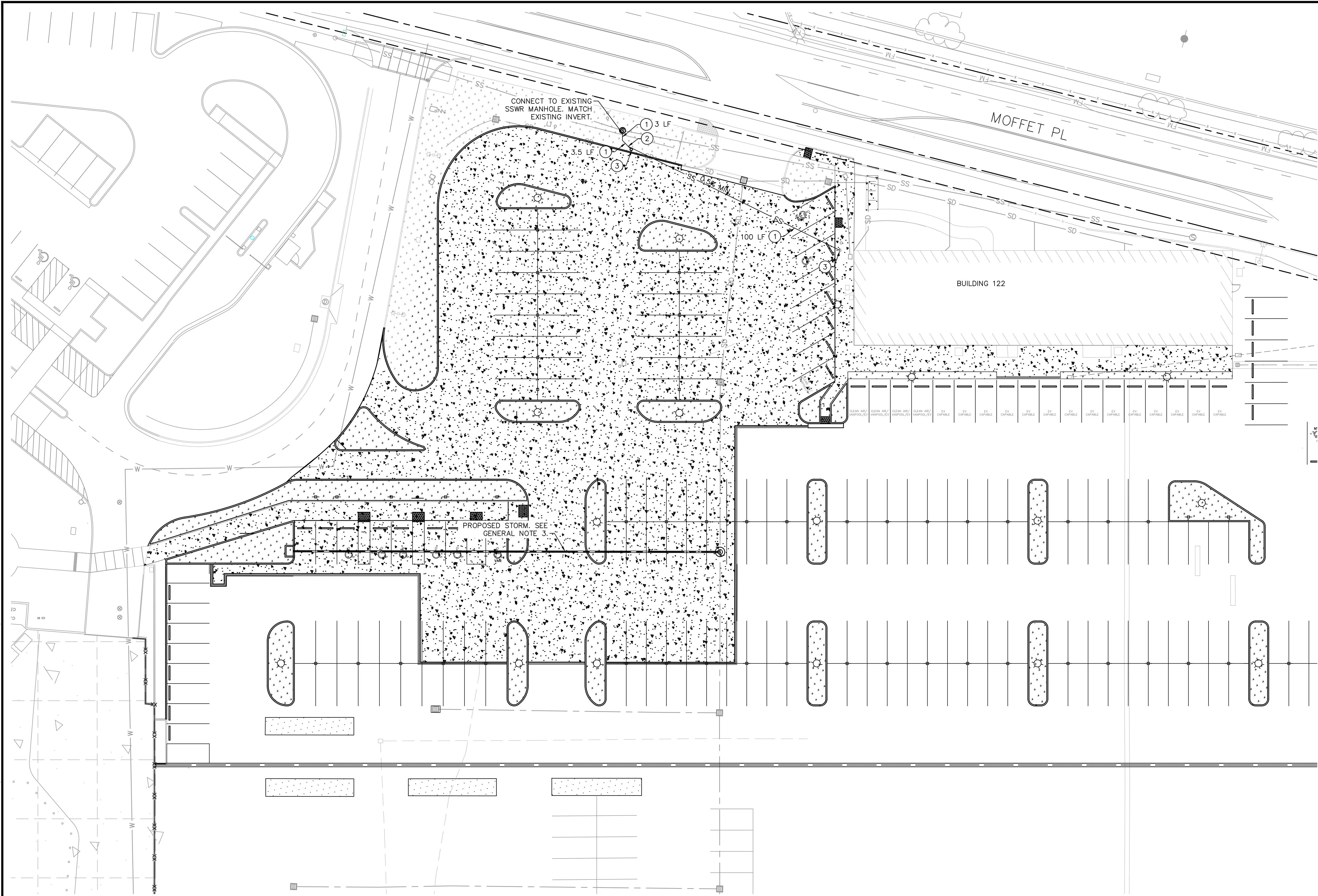
- SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
- SEE SHEETS 6 TO 8 FOR DEMOLITION PLAN.
- ALL STATION AND OFFSETS REFER TO TAXIWAY B UNLESS OTHERWISE NOTED.

### CONSTRUCTION NOTES

- ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.
- 10** AIRCRAFT PARKING POSITION STRIPING PER DETAIL 2, SHEET 24
  - 11** VSR SOLID EDGE STRIPING PER DETAIL 3, SHEET 24
  - 12** VSR DASHED CENTERLINE STRIPING PER DETAIL 4, SHEET 24
  - 15** 8' BLACK VINYL CHAIN LINK AOA SECURITY FENCE WITH SLATS PER DETAIL 1, SHEET 24
  - 19** INSTALL 16' SWING BARRIER GATE PER DETAIL 7, SHEET 24
  - 24** CARD READER PEDESTAL
  - 28** SIDA PAVEMENT MARKING PER DETAIL 5, SHEET 25.



KEYMAP



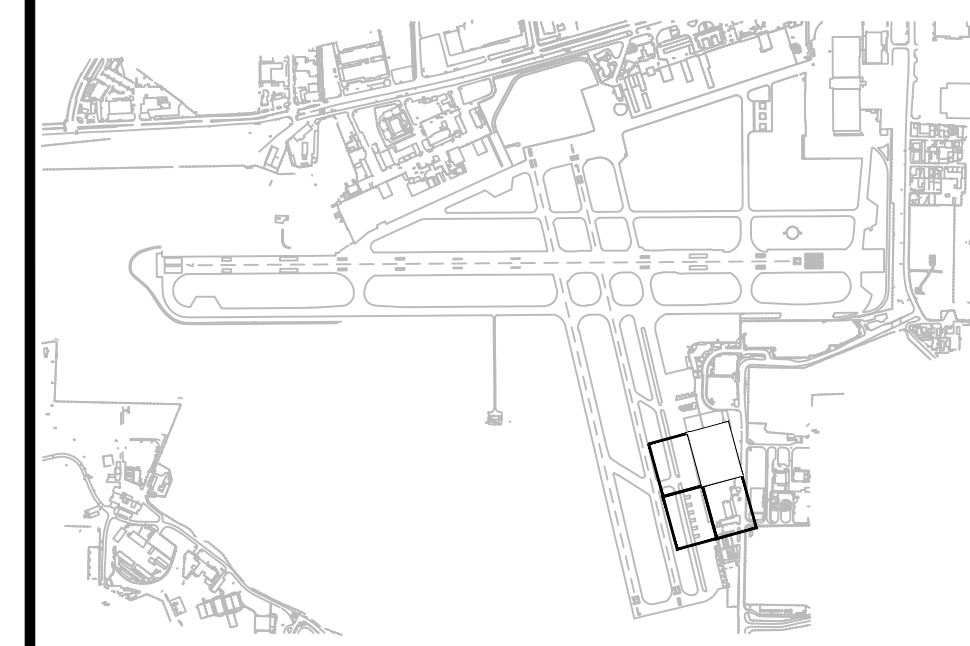
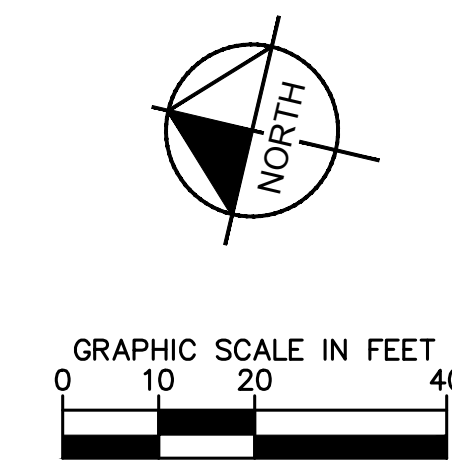
- GENERAL NOTES**
- SEE SHEET 3 FOR PROJECT LAYOUT AND SURVEY CONTROL PLAN.
  - SEE SHEETS 6 TO 8 FOR DEMOLITION PLAN.
  - SEE SHEET 9 FOR STORM DRAIN IMPROVEMENTS

- CONSTRUCTION NOTES**
- ITEMS TO BE CONSTRUCTED, INSTALLED, OR RELOCATED.
- INSTALL 6" SDR-35 PVC.
  - INSTALL 6" WYE CONNECTION
  - INSTALL CLEANOUT PER CITY OF SANTA BARBARA CITY STD DWG S-MH5.

**LEGEND**

SS PROPOSED SANITARY SEWER

SD PROPOSED STORM DRAIN



KEYMAP

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**SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT**

**UTILITY PLAN**

**CITY OF SANTA BARBARA**

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_ ,20

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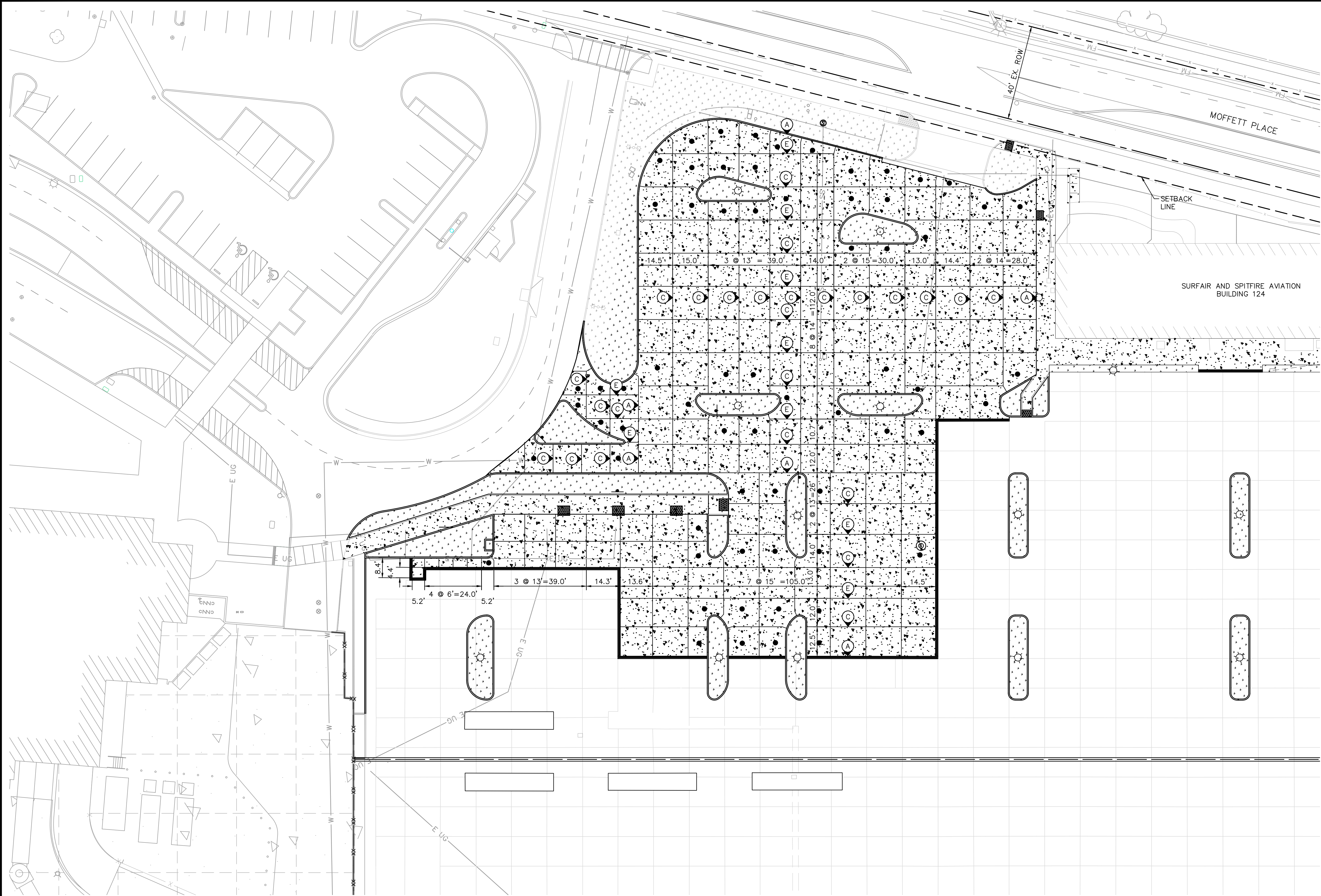
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SHT. 19 OF 30 SHTS.

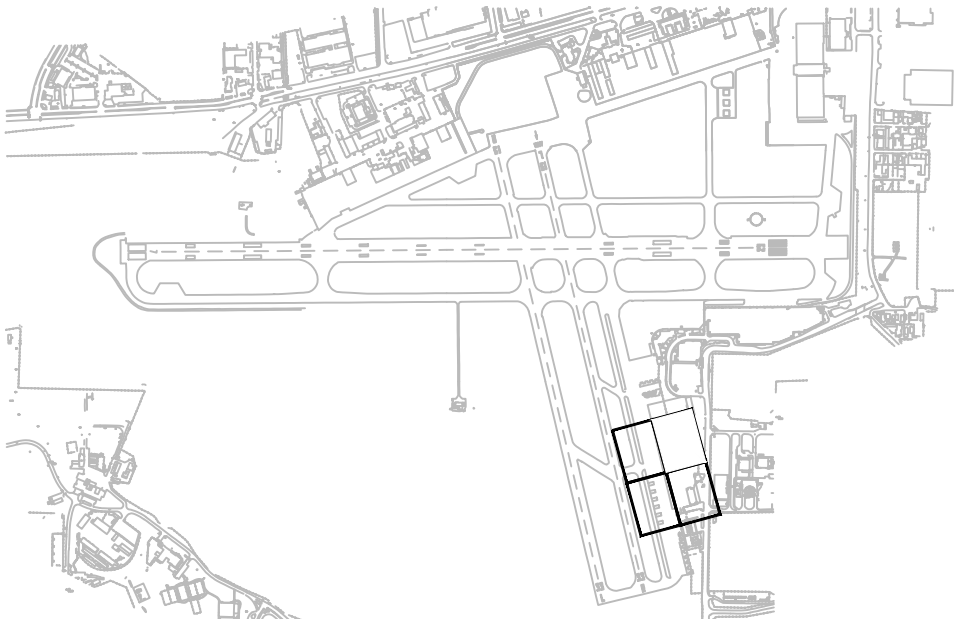
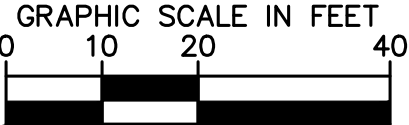
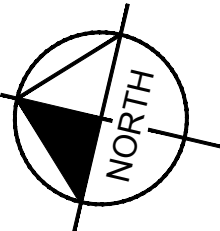
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LEGEND

- (A) TYPE A — REINFORCED ISOLATION JOINT PER SHEET 22
- (C) TYPE C — DOWELED CONTRACTION JOINT PER SHEET 22
- (E) TYPE E — DOWELED CONSTRUCTION JOINT PER SHEET 22
- REINFORCED PANEL PER DETAIL 6 SHEET



KEYMAP



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SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

JOINT LAYOUT - 1

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT—ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20

SCALE

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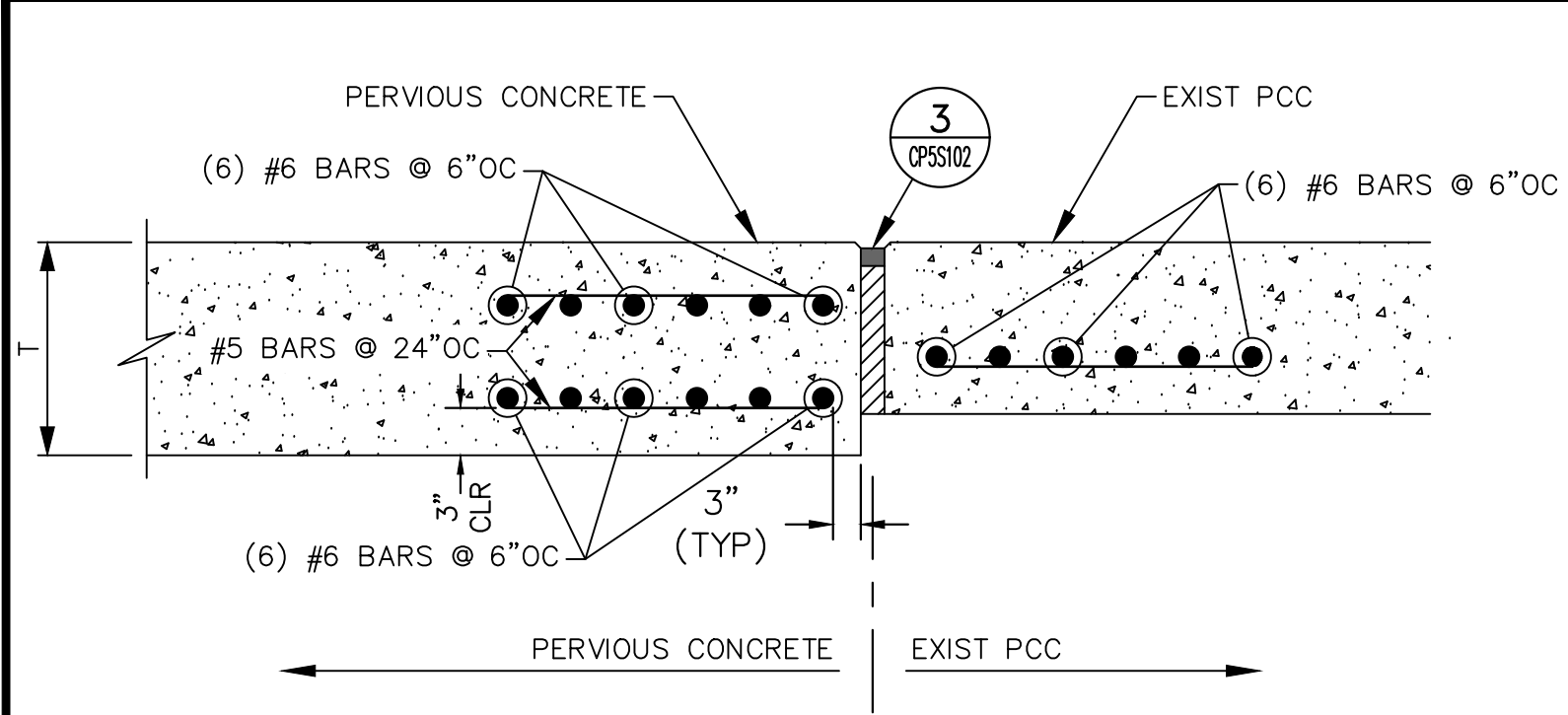
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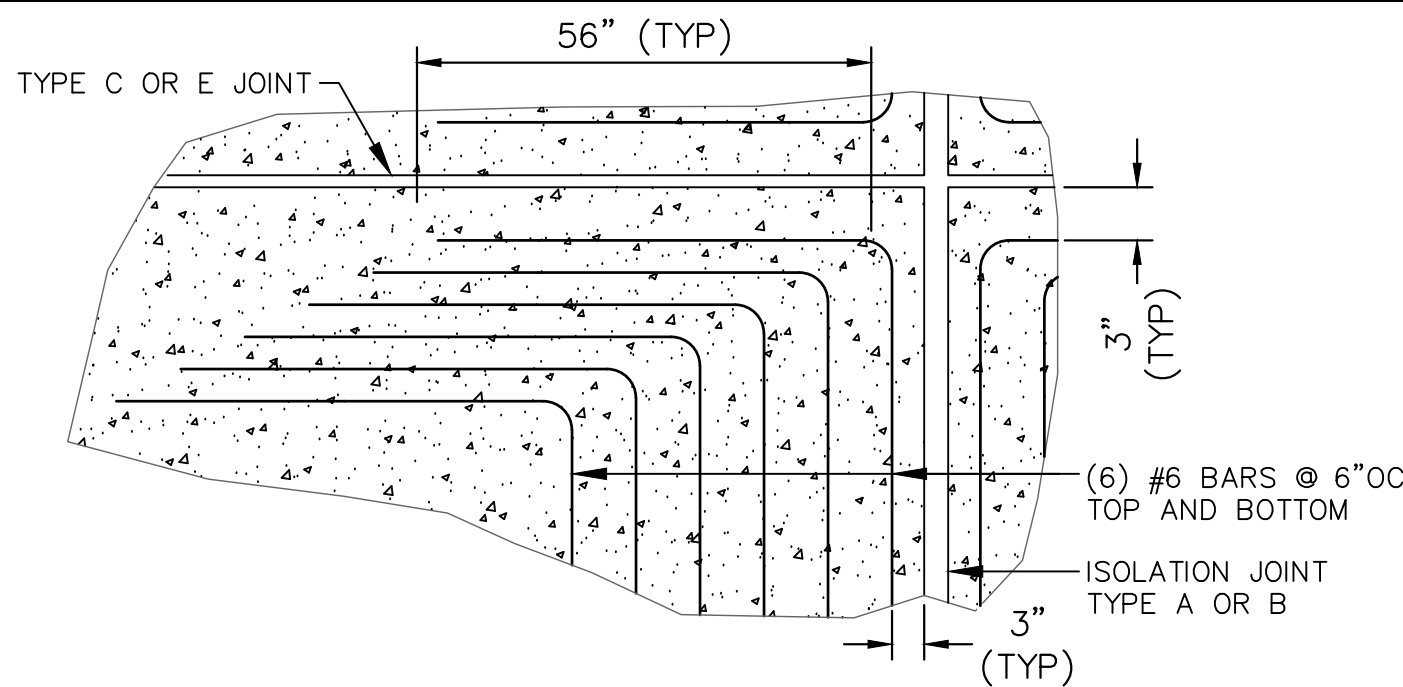
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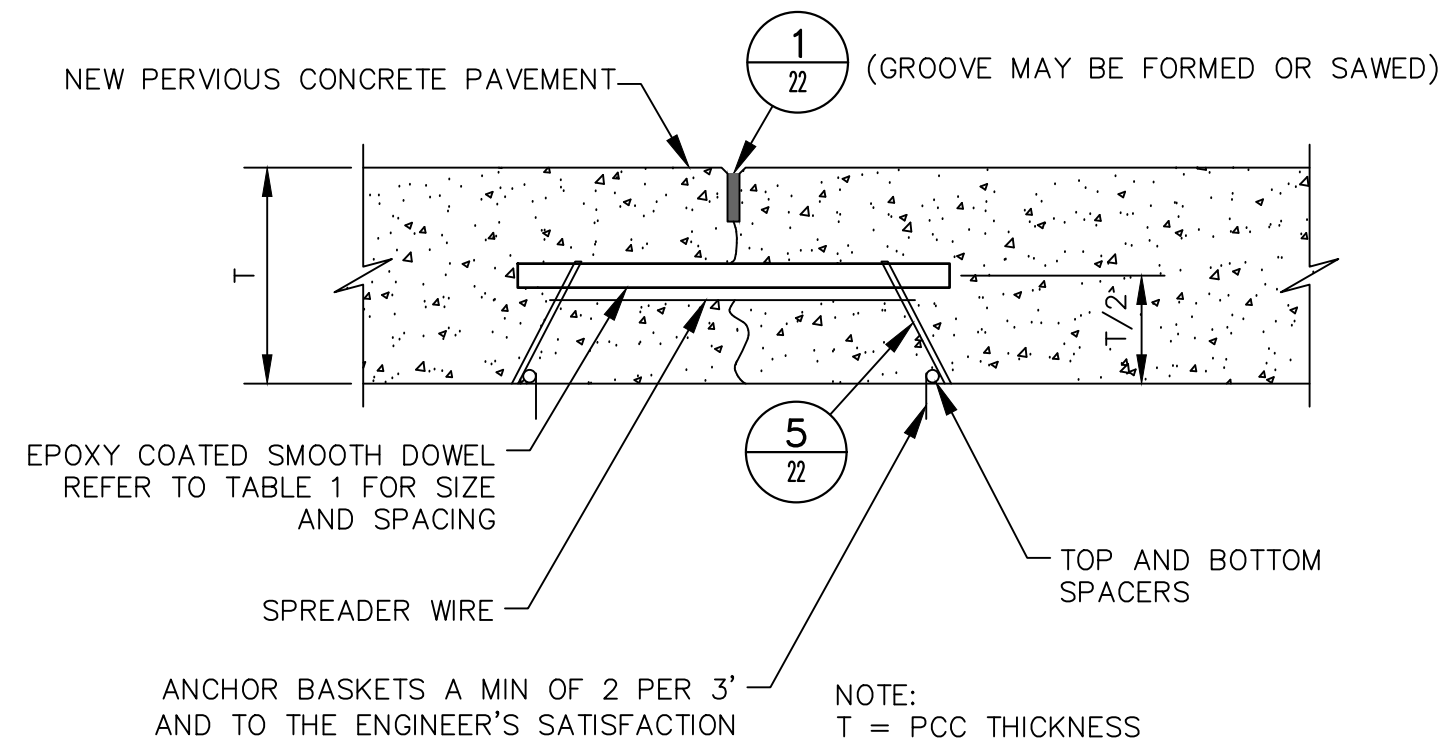
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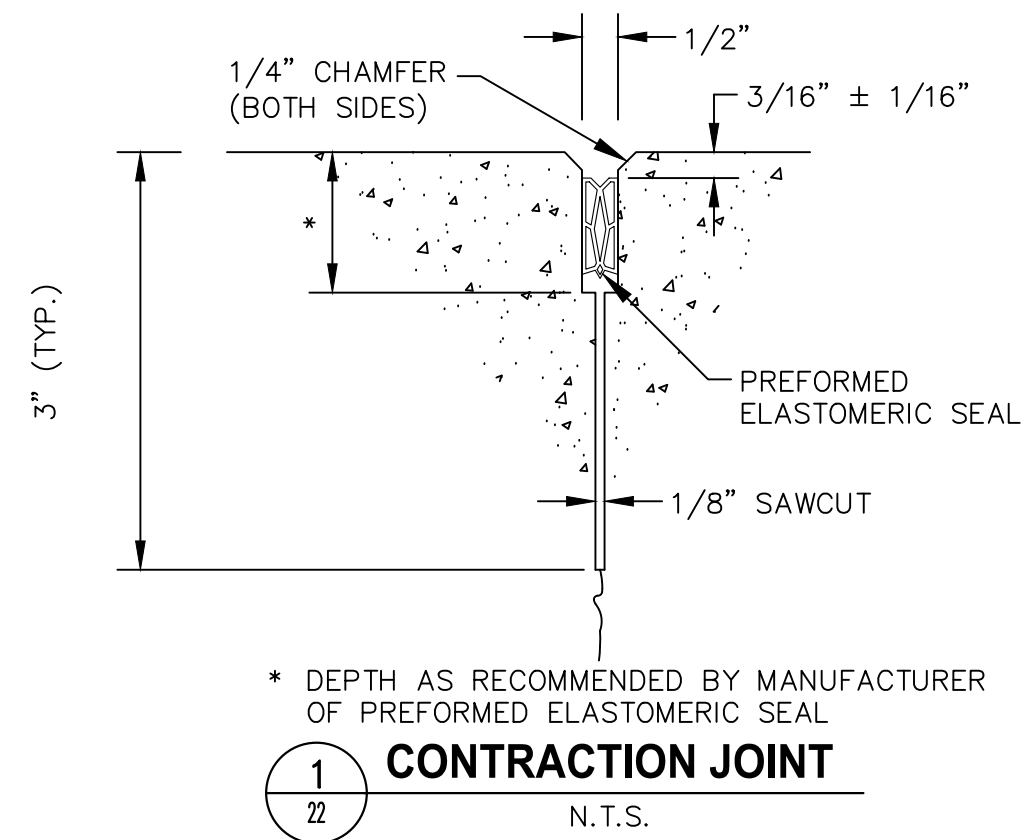
**A**  
2  
**TYPE A - ISOLATION JOINT**  
N.T.S.



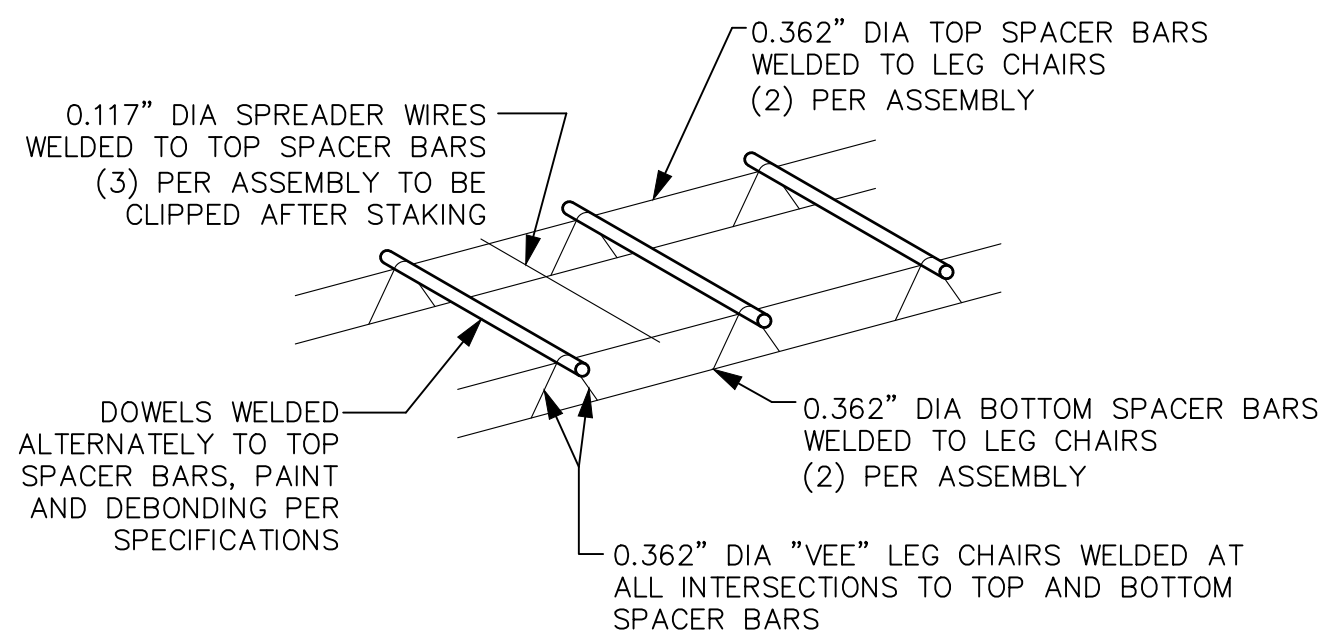
**TYPICAL REBAR TERMINATION DETAIL**



**C**  
2  
**TYPE C - DOWELED CONTRACTION JOINT**  
N.T.S.

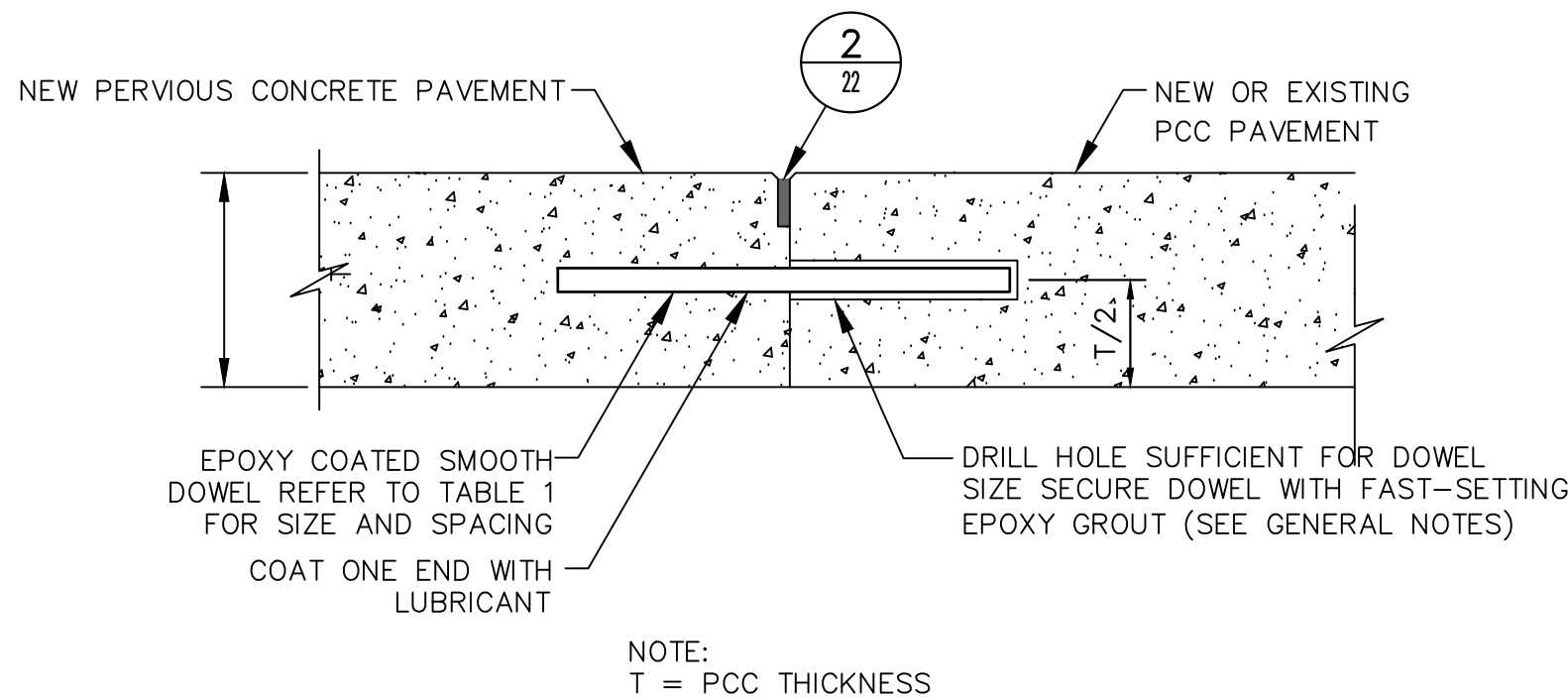


**1**  
2  
**CONTRACTION JOINT**  
N.T.S.

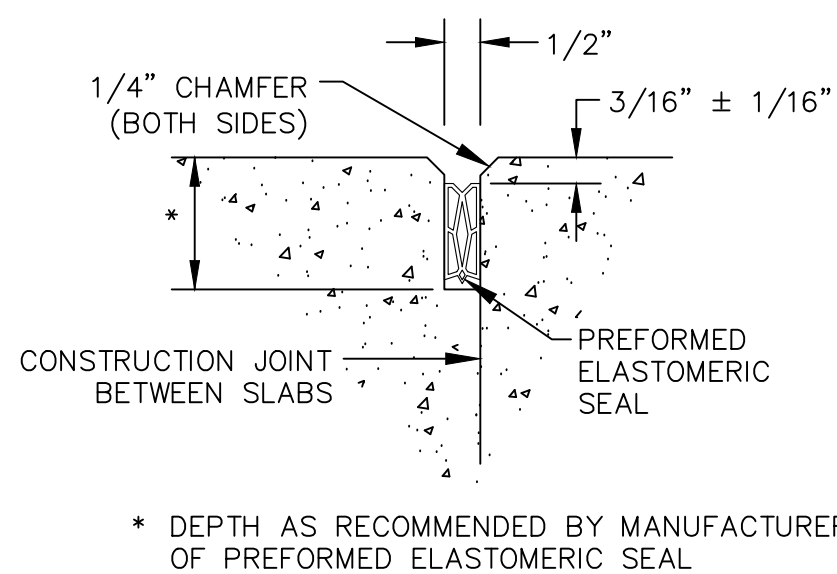


- NOTES:
1. BASKET MUST BE FIRMLY ANCHORED TO BASE.
  2. ALL WIRE SIZES SHOWN ARE MINIMUM SIZE.
  3. DOWELS SHALL NOT BE WELDED TO BASKET BUT SHALL BE HELD FIRMLY IN THE ABOVE WELDED ASSEMBLY.

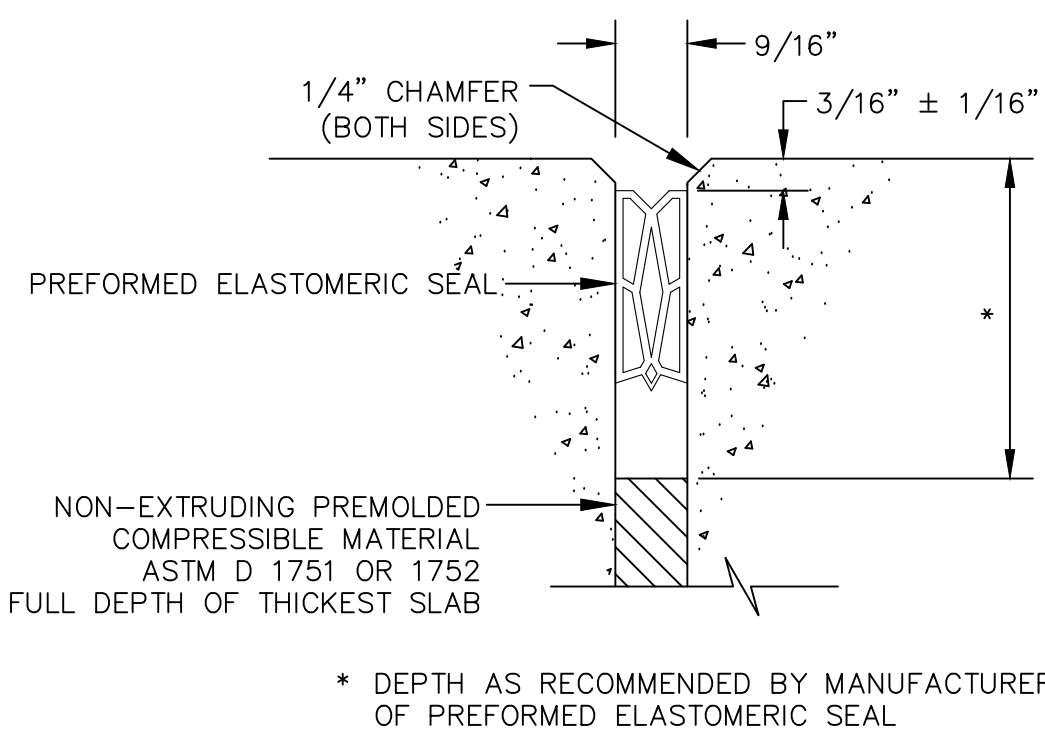
**5**  
2  
**DOWEL BASKET**  
N.T.S.



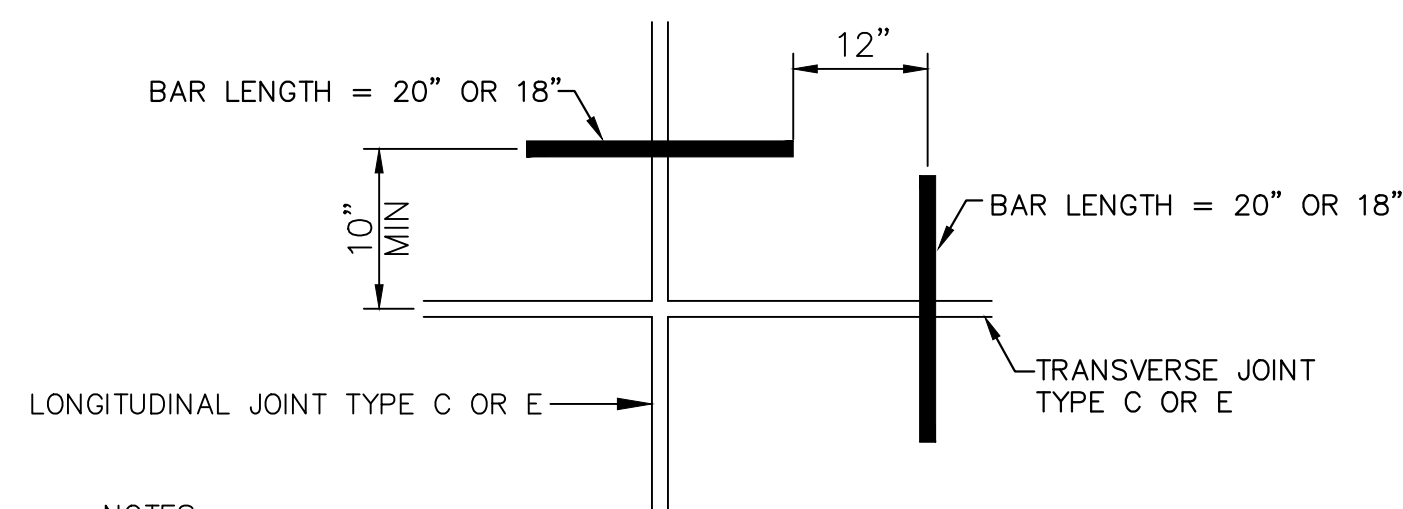
**E**  
2  
**TYPE E - DOWELED CONSTRUCTION JOINT**  
N.T.S.



**2**  
2  
**CONSTRUCTION JOINT**  
N.T.S.

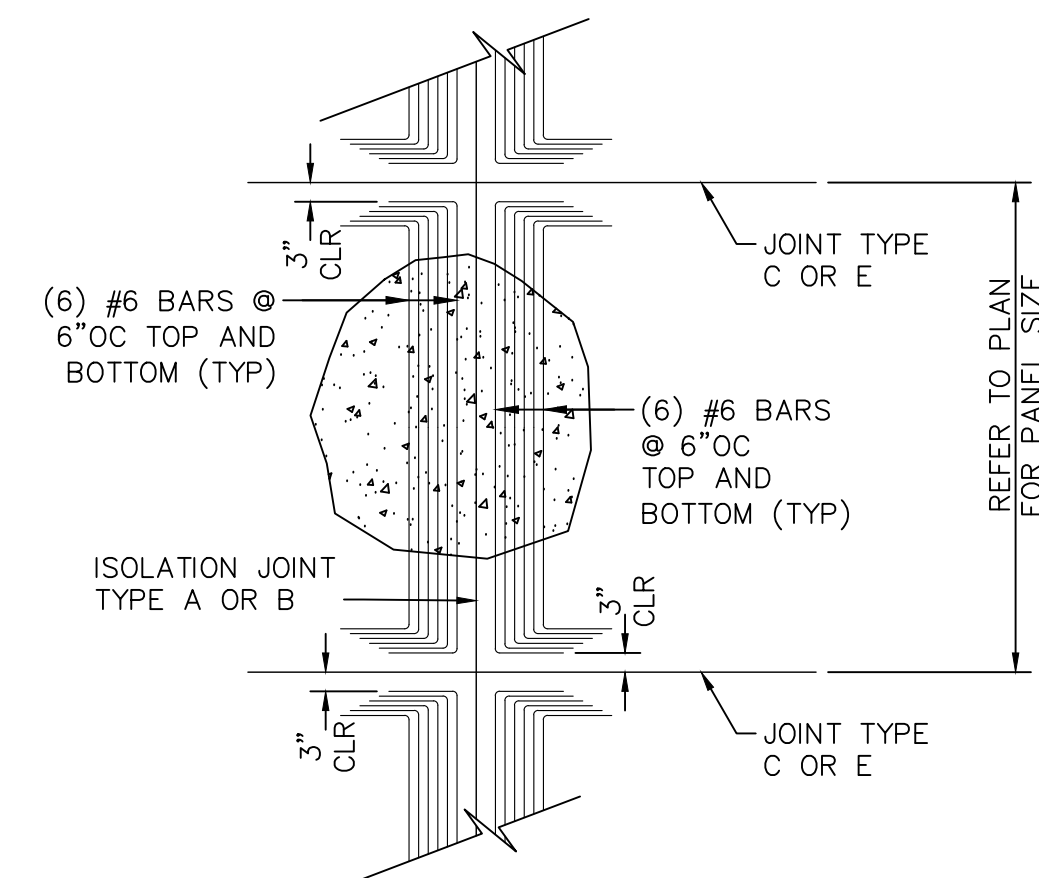


**3**  
2  
**ISOLATION JOINT**  
N.T.S.

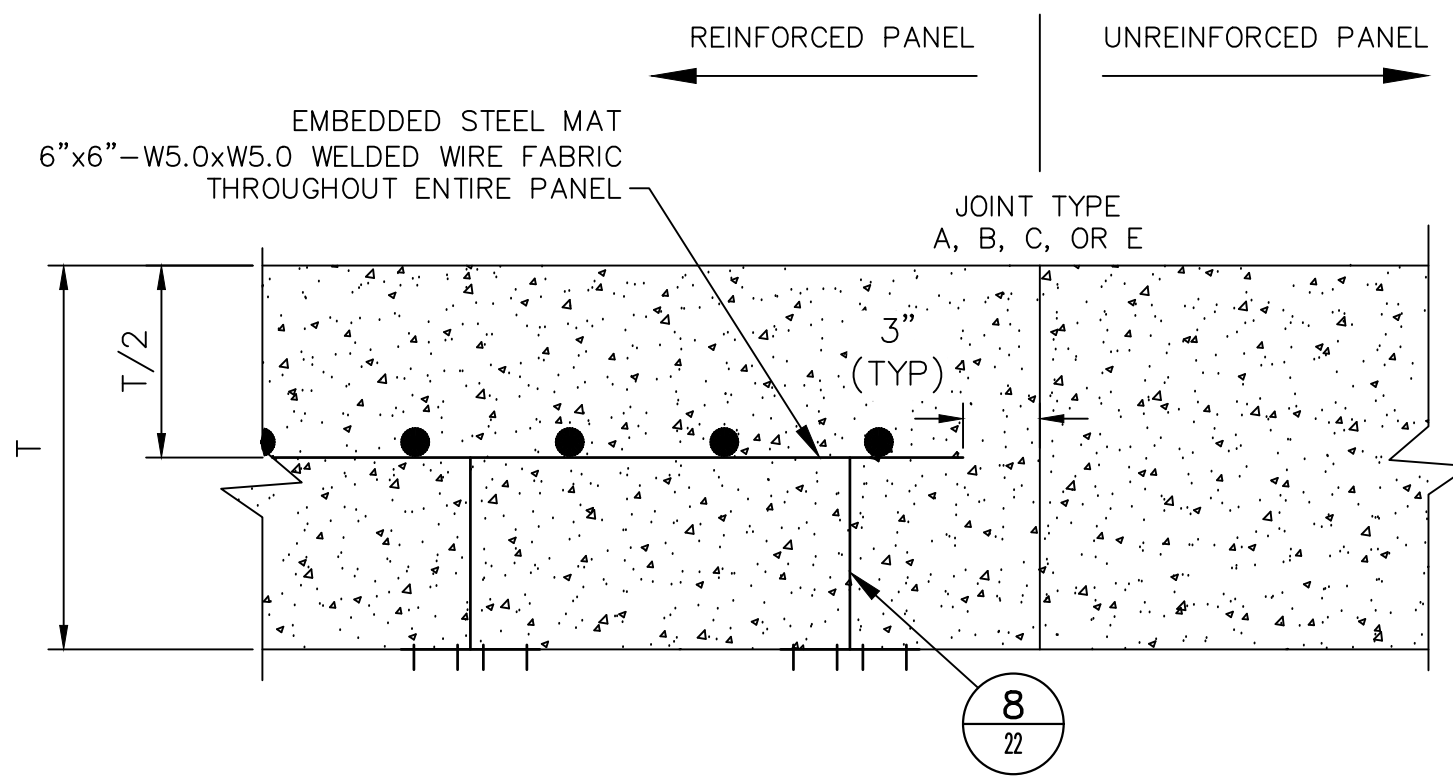


- NOTES:
1. FOR SLAB SIZES NOT CONFORMING TO THE TYPICAL DOWEL SPACING DETAIL, DOWEL BARS SHALL BE SPACED 15" MAX ON CENTER, WITH MINIMUM 10" OFFSET FROM CORNERS.
  2. DOWELS ARE TO BE PLACED IN THE HORIZONTAL PLANE AND PERPENDICULAR TO THE JOINT. MAXIMUM ALLOWABLE TOLERANCE SHALL BE 2% OR 1/4" PER FOOT IN THE HORIZONTAL AND VERTICAL PLANE.

**4**  
2  
**POSITION OF DOWELS AT EDGE OF JOINT**  
N.T.S.



**7**  
2  
**REINFORCEMENT - REINFORCED TYPE A JOINT**  
N.T.S.



- NOTES:
1. T = PCC PAVEMENT THICKNESS
  2. DOWELS NOT SHOWN FOR CLARITY

**6**  
2  
**REINFORCED PANEL DETAIL**  
N.T.S.

**SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT**

**JOINT DETAIL - 1**

**CITY OF SANTA BARBARA**

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

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SCALE

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HOR. **N/A**

PROJ.NO. \_\_\_\_\_

SHT. 22 OF 30 SHTS.

DWG.NO. 094696009 jd



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Call before you dig.

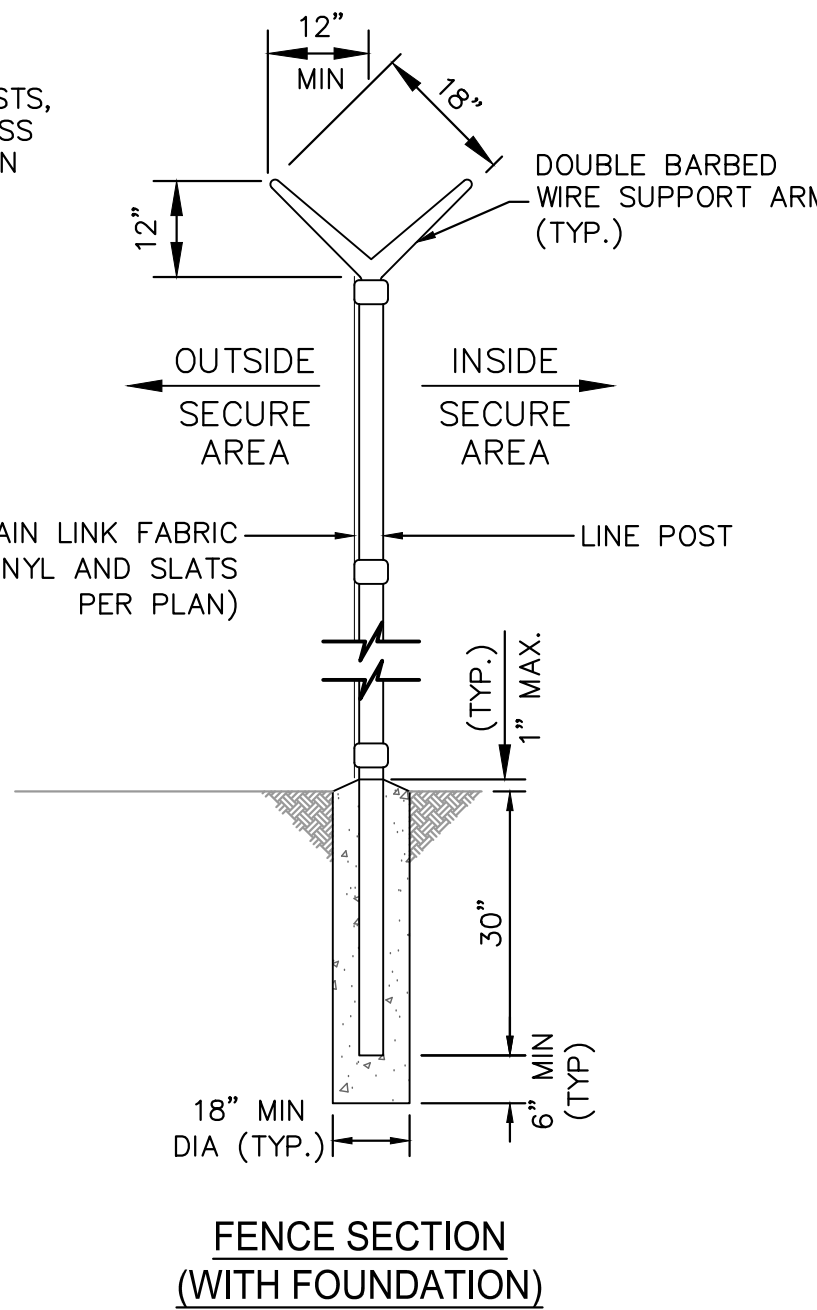
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ENGINEER P. MELVIN  
PE NO. 63346 DATE \_\_\_\_\_





1



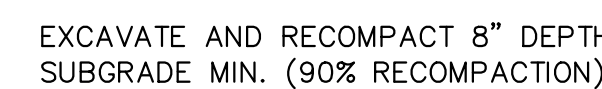
4



5



7



TYPICAL PERVIOUS CONCRETE PAVEMENT SECTION  
N T S

8

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**SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT**

DETAIL SHEET - 2

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT—ENGINEERING DIVISION

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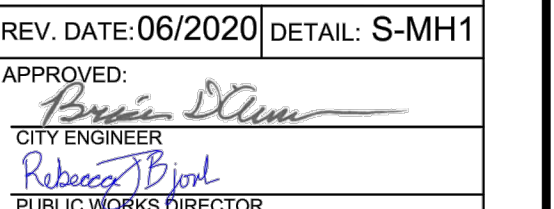
SHT. 24 OF 30 SHTS.

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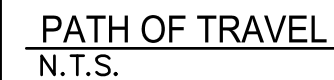
SUPPORT ARM SHALL BE DOUBLE ARM 6 STRAND BOLTED TO CAPPING CONCRETE AND BE ABLE TO WITHSTAND A LOAD OF 250 POUNDS (113 KG) APPLIED VERTICALLY TO THE OUTERMOST END OF THE ARM



)



1. ALL ACCESSIBLE COMPONENTS CONSTRUCTED AS PART OF THESE PLANS SHALL COMPLY WITH THE LOCAL, STATE, AND FEDERAL REGULATIONS WHICH EVER ARE MORE STRINGENT.
2. PUBLIC WALKWAY CONSTRUCTED WITHIN A PUBLIC RIGHT-OF-WAY, IN ABSENCE OF LOCAL ROADWAY GUIDELINES, SHALL MEET OR EXCEED LOCAL REGULATIONS.
3. WALKWAY & CURB SURFACES (FLARES AND RAMP) SHALL HAVE A DIFFERENT TEXTURE FROM THE SURROUNDING PAVEMENT.
4. WALKWAY SHALL BE CONCRETE WITH STRENGTH OF 2500 PSI.
5. INSTALL 1/4" EXPANSION JOINT FILLER MATERIAL BETWEEN WALKWAY AND EXISTING WALKWAYS.
6. WATER PONDING WITHIN THE WALKWAY LIMITS IS NOT ALLOWED.
7. NO GRADE BREAK IS ALLOWED ALONG THE WALKWAY SURFACE.
8. THE SLOPE OF THE WALKWAY SURFACE SHALL BE LESS THAN 2%.
9. TRANSITION CHANGE IN ELEVATION IS NOT TO EXCEED 1/2" WITHIN AN ACCESSIBLE ROUTE.
10. DIAGONAL WALKWAY SIDE SLOPE VARIES UNIFORMLY FROM A MAXIMUM OF UP TO 10% AT CURB TO CONFORM WITH LONGITUDINAL SIDEWALK SLOPE ADJACENT TO TOP OF THE RAMP.



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**SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT**

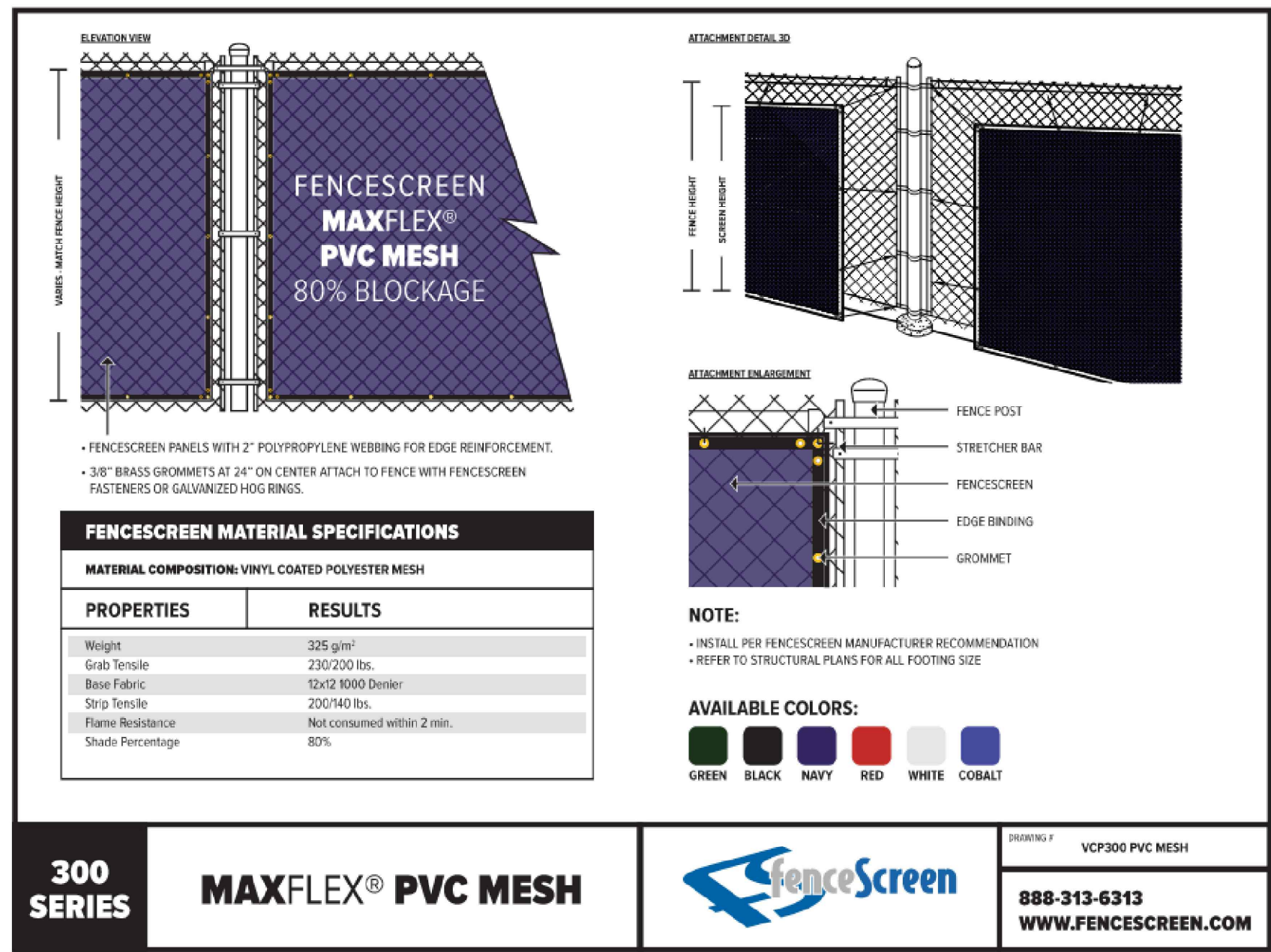
DETAIL SHEET - 3

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- THE WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND THE MOST CURRENT EDITION OF THE APPLICABLE CITY AND/OR REGIONAL STANDARDS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN COPIES OF THESE STANDARDS, SPECIFICATIONS AND DRAWINGS, AS WELL AS ALL OTHER STANDARDS AND SPECIFICATIONS WHICH MAY BE NECESSARY TO COMPLETE AND ACCURATELY INTERPRET THESE PLANS.
2. ALL QUANTITIES LISTED IN THE LANDSCAPE SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. IN THE CASE OF ANY DISCREPANCIES, PLANS SHALL OVERRIDE THE LANDSCAPE AND BID SCHEDULE QUANTITIES. CONTRACTOR SHALL VERIFY QUANTITIES SHOWN ON THE PLANS AND BASE THEIR BID ACCORDINGLY.
3. RESPONSIBILITY FOR ESTABLISHING SUBGRADES IS NOT INCLUDED IN THIS WORK. INSPECT SUBGRADES PRIOR TO COMMENCING WORK TO CONFIRM SUBGRADE DEPTHS AND GRADES. ADVISE LANDSCAPE ARCHITECT OF DISCREPANCIES WITH DRAWINGS OR SPECIFICATIONS. ALL PLANTING AREAS SHALL BE LEFT FREE OF CONSTRUCTION DEBRIS AND/OR TOXIC MATERIAL AND GRADED TO A LEVEL TO PERMIT LANDSCAPE CONSTRUCTION. TRENCHES OR OTHER FILLED EXCAVATIONS SHALL BE COMPACTED PRIOR TO LANDSCAPE INSTALLATION.
4. SITE GRADING NECESSITATED BY THE WORK AS IT PROGRESSES AND NOT SPECIFICALLY CALLED OUT ON THE PLANS WILL BE CONSIDERED INCIDENTAL WORK.
5. ALL LANDSCAPE AREAS SHALL BE UNIFORMLY GRADED SO THAT FINISHED SURFACES CONFORM TO THE TYPICAL SECTIONS AND PROPOSED GRADES SHOWN. FINISHED SURFACES SHALL BE REASONABLY SMOOTH, COMPACTED, AND FREE FROM IRREGULAR SURFACE DRAINAGE. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING THE FINISH GRADE AND SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAINAGE OF PLANTED AREAS.
6. AFTER ROUGH GRADING HAS OCCURRED, CONTRACTOR SHALL OBTAIN AN AGRONOMIC SOILS REPORT AND SUBMIT TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO AMENDMENTS AND/OR PLANTING. CONTRACTOR SHALL APPLY RECOMMENDATIONS UNLESS OTHERWISE NOTED BY LANDSCAPE ARCHITECT.
7. BACKFILL MIX SHALL BE PLACED IN 6" LIFTS AND TAMPED INTO PLACE AROUND THE PLANT. NO TRANSPANTING SHALL BE DONE WHEN SOIL IS EXCESSIVELY WET. DO NOT COUNTERSINK AROUND CACTI OR SUCCEULENTS. PROVIDE POSITIVE DRAINAGE AWAY FROM PLANT.
8. ALL TREES SHALL BE PLANTED A MINIMUM OF 5 FEET, ALL SHRUBS AND ACCENTS A MINIMUM OF 24" AND ALL GROUNDCOVERS 18" FROM EDGE OF CURBS, WALKS, WALLS, PADS, ETC., UNLESS DIRECTED OTHERWISE BY THE LANDSCAPE ARCHITECT.
9. EXCAVATE PITS, AS SHOWN ON DRAWINGS AND DETAILS. LOOSEN HARD SUBSOIL IN BOTTOM OF PIT. TEST DRAINAGE OF TREE, SHRUB AND PLANT PITS BY FILLING WITH WATER TWICE IN SUCCESSION. THE RETENTION OF WATER IN PLANTING PITS FOR MORE THAN TWENTY-FOUR (24) HOURS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE. SUBMIT IN WRITING A PROPOSAL FOR THE CORRECTION TO THE OWNER'S REPRESENTATIVE FOR APPROVAL BEFORE PROCEEDING WITH WORK.
10. IF ROCK, UNDERGROUND CONSTRUCTION, ADVERSE DRAINAGE CONDITIONS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED IN EXCAVATION FOR PLANTING OF ANY PLANT MATERIAL, NOTIFY THE OWNER'S REPRESENTATIVE. NEW LOCATIONS MAY BE SELECTED BY THE OWNER'S REPRESENTATIVE, OR INSTRUCTIONS MAY BE ISSUED TO DIRECT REMOVAL OF OBSTRUCTION. PROCEED WITH WORK ONLY AFTER APPROVAL OF THE OWNER'S REPRESENTATIVE.
11. DO NOT MAKE SUBSTITUTIONS. IF SPECIFIED LANDSCAPE MATERIAL IS NOT OBTAINABLE, SUBMIT PROOF OF NON-AVAILABILITY FROM AT LEAST FIVE SOURCES TO THE OWNER'S REPRESENTATIVE, TOGETHER WITH PROPOSAL FOR USE OF EQUIVALENT MATERIAL FOR FINAL APPROVAL.
12. ALL PLANT MATERIAL AND SPECIFICATIONS TO CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK STANDARDS UNLESS OTHERWISE NOTED.
13. LAY OUT INDIVIDUAL TREE AND PLANT LOCATIONS AND AREAS FOR MULTIPLE PLANTINGS, STAKE LOCATIONS AND OUTLINE AREAS AND SECURE THE OWNER'S REPRESENTATIVE'S ACCEPTANCE BEFORE START OF PLANTING WORK. MAKE MINOR ADJUSTMENTS AS DIRECTED.
14. ALL SHRUBS SHALL HAVE A FULL HEAD THAT COVERS THE CAN DIAMETER (CAN FULL) AND A MINIMUM OF THREE STEMS/BRANCHES.
15. FINISH GRADE FOR PLANTED AREAS SHALL BE 1" BELOW ALL CURBS, WALKS AND PAVING WITH SMOOTH EVEN LINES AT EDGES OF STRUCTURES.
16. FINISH LANDSCAPE GRADES SHALL SLOPE AT A 2% GRADE AWAY FROM CURBS, WALKS, AND WALLS.
17. ALL LANDSCAPE AREAS SHALL RECEIVE A 3" DEPTH OF MULCH, UNLESS OTHERWISE NOTED ON THESE PLANS. TREES TO HAVE A 6" DIAMETER RING AROUND TRUNK FREE OF MULCH. MULCH SHALL EXTEND UNDER ALL SHRUBS AND PLANTS. APPLY PRE-EMERGENT HERBICIDE PRIOR TO AND AFTER MULCH INSTALLATION.
18. PROVIDE SAMPLES OF PROPOSED MULCH SHOWING COLOR, GRADATION SIZE RANGE AND TEXTURE INCLUDING PROPOSED SOURCE. PROVIDE 1/2 CUBIC FOOT SAMPLE OF EACH.
19. NO JOB WILL BE CONSIDERED COMPLETE UNTIL ALL CURBS, PAVEMENT AND SIDEWALKS HAVE BEEN SWEEP CLEAN OF ALL DIRT AND DEBRIS ACCORDING TO PLANS.
20. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ANY PERMITS REQUIRED. (SEE THE CITY GENERAL CONDITIONS)
21. ALL CONSTRUCTION ROADS AND COMPACTED AREAS DEVELOPED THROUGH CONSTRUCTION THAT ARE WITHIN THE LANDSCAPE AREAS SHALL BE SCARIFIED AND LOOSENED TO A DEPTH OF 12" PRIOR TO LANDSCAPE AND IRRIGATION WORK BEGINNING
22. PLANTINGS WITHIN THE SIGHT VISIBILITY TRIANGLE LINE SHALL BE MAINTAINED SO THAT NO LIMBS HANG LOWER THAN SEVEN (7) FEET AND SHRUBS OR OTHER PLANTS PLANTED WITHIN THE SIGHT VISIBILITY TRIANGLE LINE SHALL BE NO TALLER THAN TWO (2) FEET AT FULL GROWTH.

  
MATHEW J. MORGAN, LLA 6256

THE TERM "LANDSCAPE ARCHITECT" USED HEREIN SHALL MEAN THE LANDSCAPE ARCHITECT WHO HAS SIGNED AND SEALED THESE PLANS AND IS IN RESPONSIBLE CHARGE OF THE LANDSCAPE ARCHITECTURE DESIGN. THE TERM "CONTRACTOR" USED HEREIN SHALL MEAN ANY GENERAL CONTRACTOR OR SUBCONTRACTOR USING THESE PLANS. ANY AGENCY SIGNATURE OR APPROVAL ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES.

THE LANDSCAPE ARCHITECT SHALL HAVE NO RESPONSIBILITY FOR ANY OF THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTION, TECHNIQUES, EQUIPMENT CHOICE AND USAGE, SEQUENCE, SCHEDULE, SAFETY PROGRAMS, OR SAFETY PRACTICES, NOR SHALL THE LANDSCAPE ARCHITECT HAVE ANY AUTHORITY OR RESPONSIBILITY TO STOP OR DIRECT THE WORK OF ANY CONTRACTOR.

IF THERE ARE ANY QUESTIONS REGARDING THESE PLANS, THE CONTRACTOR SHALL REQUEST IN WRITING FROM THE LANDSCAPE ARCHITECT AND THE OWNER, AN INTERPRETATION BEFORE DOING ANY RELATED OR IMPACTED WORK.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO STARTING WORK NEAR THEIR FACILITIES AND SHALL COORDINATE WORK WITH UTILITY COMPANY REPRESENTATIVES.

THE LOCATION, ELEVATIONS, SIZE, TYPE AND CONDITION OF EXISTING IMPROVEMENTS ADJACENT TO THE PROPOSED WORK INDICATED ON THESE PLANS SHALL BE CONFIRMED BY THE CONTRACTOR BY FIELD MEASUREMENTS AND OBSERVATIONS PRIOR TO CONSTRUCTION OF NEW WORK. THE CONTRACTOR WILL IMMEDIATELY INFORM THE LANDSCAPE ARCHITECT IN WRITING IF ANY DISCREPANCIES OR CONFLICTING INFORMATION IS FOUND.

0. THE CONTRACTOR SHALL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES AS NEEDED, SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY DUE TO THE ACTUAL LOCATION, SIZE, TYPE, OR CONDITION OF EXISTING FACILITIES DIFFERING FROM WHAT IS SHOWN ON THESE PLANS.

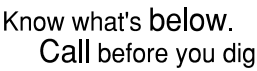
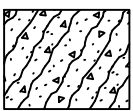
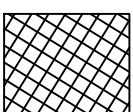
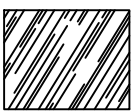
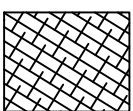
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ANY DAMAGE TO THE EXISTING IMPROVEMENTS AND REPLACEMENT TO THE SATISFACTION OF THE OWNER.

2. SHOULD CONFLICTING INFORMATION BE FOUND ON THE PLANS THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING IMMEDIATELY BEFORE PROCEEDING WITH THE WORK IN QUESTION.

3. ANYTHING MENTIONED IN THE SPECIFICATIONS, IF ANY, AND NOT SHOWN ON THE DRAWINGS, OR SHOWN ON THE DRAWINGS AND NOT MENTIONED IN THE SPECIFICATIONS, SHALL BE OF LIKE EFFECT AS IF SHOWN OR MENTIONED IN BOTH.

TREES	QTY	BOTANICAL / COMMON NAME	CONT.	HEIGHT/SPREAD	CAL.	WUCOLS
	7	EXISTING TREE / TO REMAIN PROTECT IN PLACE	-	-	-	-
	18	GEIJERA PARVIFLORA / AUSTRALIAN WILLOW	48" BOX	14'-16" HT. X 7'-8" SPR.	4" CAL.	LOW
	23	OLEA EUROPAEA 'SWAN HILL' TM / SWAN HILL OLIVE	48" BOX	10'-12" HT. X 8'-9" SPR.	4" CAL.	LOW
SHRUBS	QTY	BOTANICAL / COMMON NAME	CONT.	SPACING	WUCOLS	SIZE
	27	AGAVE ATTENUATA 'NOVA' / NOVA FOXTAIL AGAVE	5 GAL.	4' O.C.	LOW	
	28	CHONDRPETALUM ELEPHANTINUM / LARGE CAPE RUSH	5 GAL.	5' O.C.	LOW	
	69	ERIOGONUM FASCICULATUM 'WARRINER LYTLE' / WARRINER LYTLE BUCKWHEAT	5 GAL.	4' O.C.	VERY LOW	
	93	MUHLENBERGIA RIGENS / DEER GRASS	5 GAL.	4' O.C.	LOW	
	109	ROSMARINUS OFFICINALIS 'KEN TAYLOR' / ROSEMARY	5 GAL.	4' O.C.	VERY LOW	
	15	SALVIA X 'ALLEN CHICKERING' / ALLEN CHICKERING SAGE	5 GAL.	4' O.C.	VERY LOW	

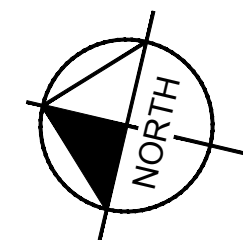
	7	BACCHARIS PILULARIS 'PIGEON POINT' / PIGEON POINT COYOTE BRUSH	5 GAL.	8" O.C.	LOW
	238	CAREX GLAUCA / BLUE SEDGE	5 GAL.	1.5" O.C.	LOW
	260	CAREX TUMULICOLA / FOOTHILL SEDGE	5 GAL.	1.5" O.C.	LOW
	2,052 SF	EXISTING LANDSCAPE / TO REMIAN - PROTECT IN PLACE	-	-	-
	41	SENECIO MANDRALISCAE / BLUE FINGERS	5 GAL.	2" O.C.	LOW

LIMIT OF WORK 

THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.

GRAPHIC SCALE IN FEET

A horizontal scale bar with tick marks at 0, 10, 20, and 40 feet. The bar is divided into alternating black and white segments: 0-10 is white, 10-20 is black, 20-30 is white, and 30-40 is black.



PARKING LOT TREES	
REQUIRED	PROVIDED
1 TREE FOR EVERY 2000 S.F. OF PAVED AREA 91,006 S.F. OF PAVED AREA / 2000 S.F. = 46 TREES	48 TREES NEW: 41 EXISTING: 7

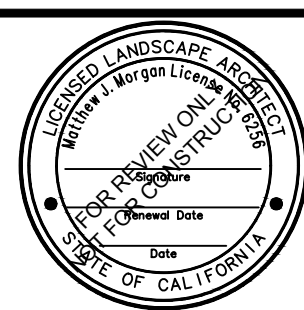


NO.	DESCRIPTION	DATE	APPROVED
REVISIONS			

DESIGN \_\_\_\_\_ LD  
DRAWN \_\_\_\_\_ LD  
CHECKED \_\_\_\_\_ MJM  
FLD.BK.NO. \_\_\_\_\_  
PAGE \_\_\_\_\_  
ATLAS \_\_\_\_\_

**Kimley»Horn**

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Orange, California 92668 (714) 939-1030



LANDSCAPE PLAN - 1

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_, 20\_\_\_\_

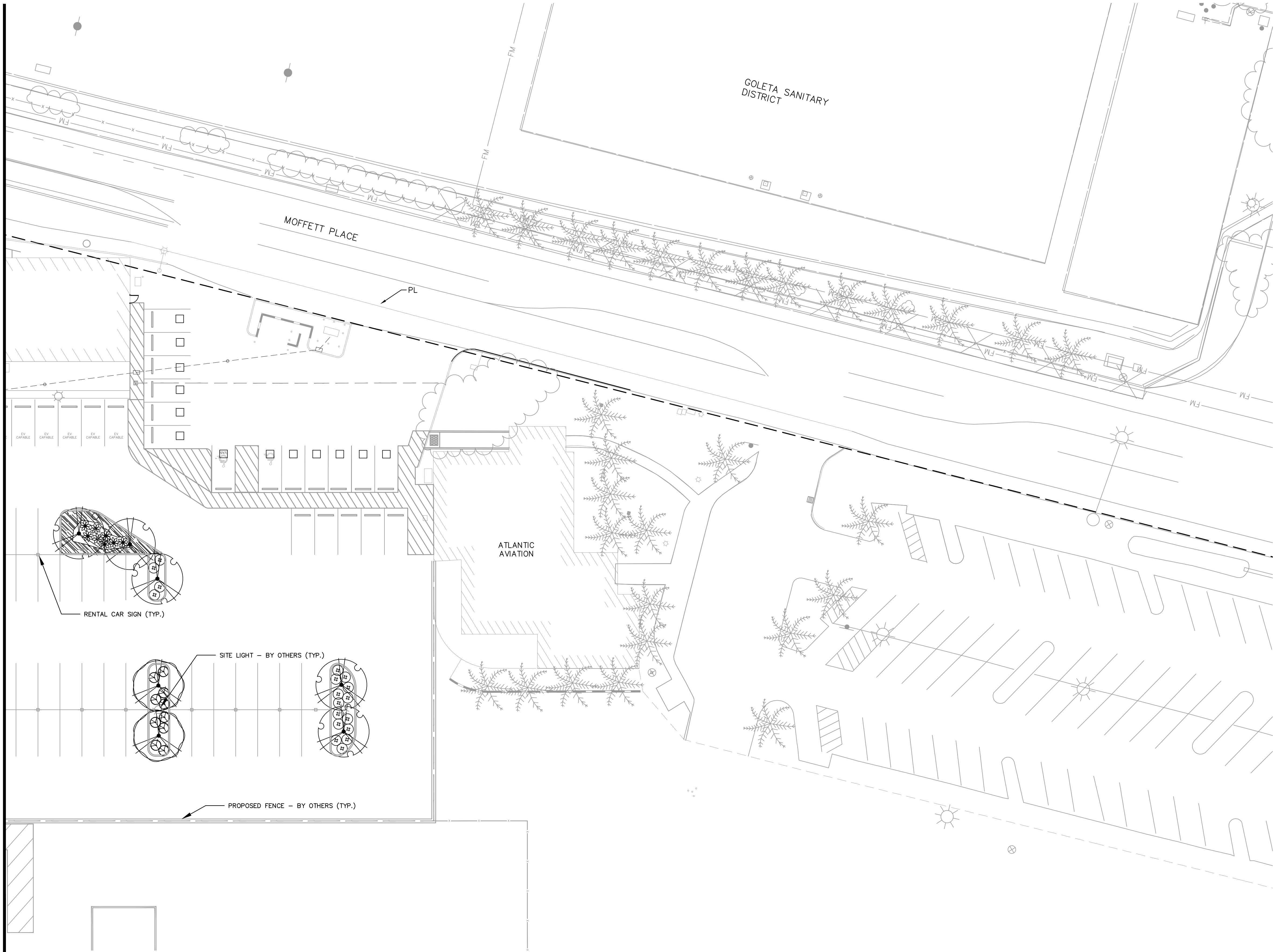
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HOR.       N/A      

PROJ.NO. _____
SHT. <u>29</u> OF <u>30</u> SHTS.
DWG.NO. landscape plan - 2

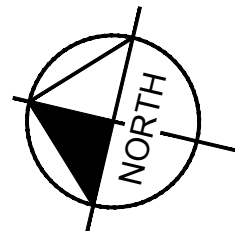
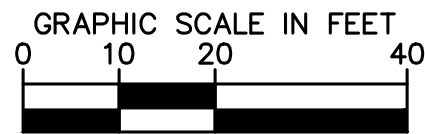
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MATCH LINE  
SEE SHEET 2

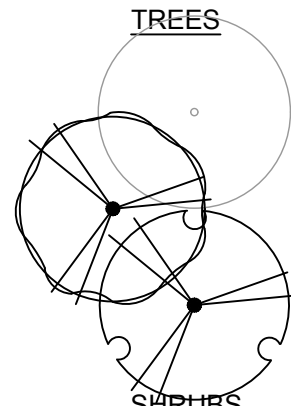


PARKING LOT TREES	
REQUIRED	PROVIDED
1 TREE FOR EVERY 2000 S.F. OF PAVED AREA 91,006 S.F. OF PAVED AREA / 2000 S.F. = 46 TREES	48 TREES NEW: 41 EXISTING: 7

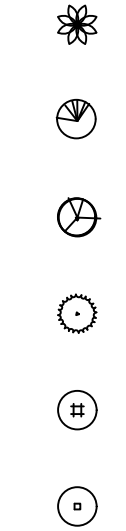


## PLANT SCHEDULE

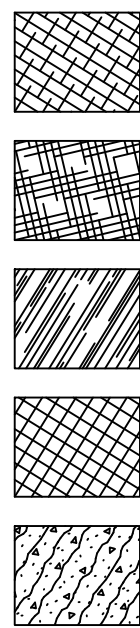
### TREES



### SHRUBS



### GROUND COVERS



### BOTANICAL / COMMON NAME

EXISTING TREE / TO REMAIN  
PROTECT IN PLACE

GEIJERA PARVIFLORA / AUSTRALIAN WILLOW

OLEA EUROPAEA 'SWAN HILL' TM / SWAN HILL OLIVE

### BOTANICAL / COMMON NAME

AGAVE ATTENUATA 'NOVA' / NOVA FOXTAIL AGAVE

CHONDROPTALUM ELEPHANTINUM / LARGE CAPE RUSH

ERIOGONUM FASCICULATUM 'WARRINER LYTLE' / WARRINER LYTLE BUCKWHEAT

MUHLENBERGIA RIGENS / DEER GRASS

ROSMARINUS OFFICINALIS 'KEN TAYLOR' / ROSEMARY

SALVIA X 'ALLEN CHICKERING' / ALLEN CHICKERING SAGE

### BOTANICAL / COMMON NAME

BACCHARIS PILULARIS 'PIGEON POINT' / PIGEON POINT COYOTE BRUSH

CAREX GLAUCA / BLUE SEDGE

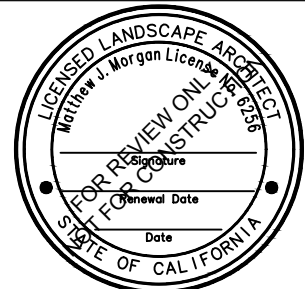
CAREX TUMULICOLA / FOOTHILL SEDGE

EXISTING LANDSCAPE / TO REMIAN - PROTECT IN PLACE

SENECIO MANDRALISCAE / BLUE FINGERS

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SANTA BARBARA MUNICIPAL AIRPORT  
SOUTHFIELD REDEVELOPMENT

LANDSCAPE PLAN - 2

CITY OF SANTA BARBARA

PUBLIC WORKS DEPARTMENT-ENGINEERING DIVISION

APPROVED : \_\_\_\_\_ DATE \_\_\_\_\_ ,20

SCALE

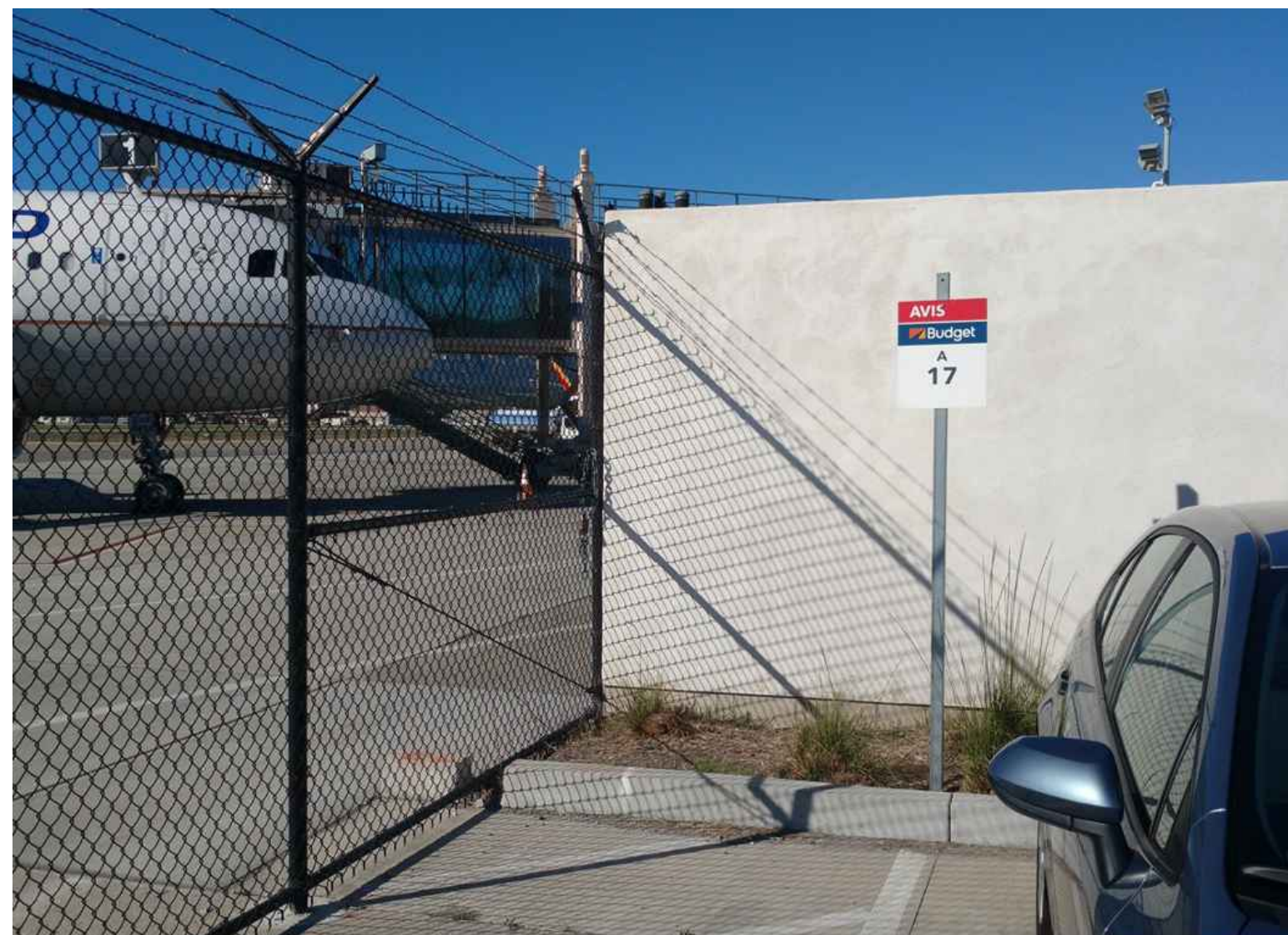
VERT. N/A

HOR. N/A

PROJ.NO. \_\_\_\_\_

SHT. 30 OF 30 SHTS.

DWG.NO.



Know what's below.  
Call before you dig.

				DESIGN _____ DRAWN _____ CHECKED _____ FLD.BK.NO. _____ PAGE _____ M.J.M. ATLAS _____		 © 2021 KIMLEY-HORN AND ASSOCIATES, INC. 1100 W. Town and Country Rd., Suite 700 Orange, California 92668 (714) 939-1030				SANTA BARBARA MUNICIPAL AIRPORT SOUTHFIELD REDEVELOPMENT AIRPORT FENCE DETAILS		CITY OF SANTA BARBARA PUBLIC WORKS DEPARTMENT—ENGINEERING DIVISION APPROVED : _____ DATE: _____, 20 ____		SCALE VERT. _____ N/A _____ HOR. _____ N/A _____		PROJ. NO. _____ SHT. ____ OF ____ 30 ____ SHTS. DWG.NO. _____	
NO. _____ DESCRIPTION _____ DATE _____ APPROVED _____ REVISIONS																	